



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, DC 20460

AUTHENTICATION

I, Jennifer Noonan Edmonds, attest that I am the Director, Policy Analysis and Communications, Office of Air Quality Planning and Standards, Office of Air and Radiation of the United States Environmental Protection Agency (EPA or Agency) and that the attached documents are true, correct, and compared copies of the file copies in my legal custody, consisting of:

April 7, 2006, 71 Fed. Reg. 17712 (9 pages)

April 13, 2023, Cost Memorandum Workbook (103 pages)

Subscribed under the penalty of perjury on this 18th day of August, 2023.

Jennifer Noonan Edmonds, Director
Policy Analysis and Communications
Office of Air Quality Planning and Standards
Office of Air and Radiation

CERTIFICATION OF TRUE COPY

I, Jennifer Clark, certify that I am the Associate General Counsel, General Law Office, Office of General Counsel, of the United States Environmental Protection Agency; that I am the designee of the General Counsel for the purpose of executing certifications under 40 C.F.R. sec. 2.406; that I have duties in Washington, District of Columbia; and that the official whose signature appears above has legal custody pursuant to 40 C.F.R. sec. 2.406 of the original documents, copies of which are attached, as witnessed by my signature and the official seal of the United States Environmental Protection Agency.

Jennifer Clark
Associate General Counsel
General Law Office
Office of General Counsel

and by adding a new paragraph (h) to read as follows:

§ 51.373 Implementation deadlines.

* * * * *

(b) For areas newly required to implement basic I/M as a result of designation under the 8-hour ozone standard, the required program shall be fully implemented no later than 4 years after the effective date of designation and classification under the 8-hour ozone standard.

* * * * *

(d) For areas newly required to implement enhanced I/M as a result of designation under the 8-hour ozone standard, the required program shall be fully implemented no later than 4 years after the effective date of designation and classification under the 8-hour ozone standard.

(e) [Reserved]

* * * * *

(h) For areas newly required to implement either a basic or enhanced I/M program as a result of being designated and classified under the 8-hour ozone standard, such programs shall begin OBD testing on subject OBD-equipped vehicles coincident with program start-up.

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[FR Doc. 06-3317 Filed 4-6-06; 8:45 am]

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ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 63

[EPA-HQ-OAR-2003-0197, FRL-8054-6]

RIN 2060-AK09

Ethylene Oxide Emissions Standards for Sterilization Facilities

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final decision.

SUMMARY: This action finalizes our decision not to revise the Ethylene Oxide Emission Standards for Sterilization Facilities, originally promulgated on December 6, 1994. Within 8 years of promulgating these standards, the Clean Air Act directs us to assess the risk and to promulgate more stringent standards if necessary to protect public health with an ample margin of safety and to prevent adverse environmental effects. Also, within 8 years of promulgating the national emission standards, the Clean Air Act requires us to review and revise the standards as necessary, taking into account developments in practices, processes, and control technologies. Today's action reflects our findings that after conducting these risk and technology reviews, no additional control requirements are warranted.

DATES: *Effective Date:* April 7, 2006.

ADDRESSES: EPA has established a docket for this action under Docket ID No. EPA-HQ-OAR-2003-0197. All documents in the docket are listed on the <http://www.regulations.gov> Web site. Although listed in the index, some information is not publicly available, e.g., confidential business information or other information whose disclosure is

restricted by statute. Certain other material, such as copyrighted material, is not placed on the Internet and will be publicly available only in hard copy form. Publicly available docket materials are available either electronically through <http://www.regulations.gov> or in hard copy at the Air and Radiation Docket, EPA/DC, EPA West, Room B-102, 1301 Constitution Ave., NW., Washington, DC. The Public Facility is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566-1744, and the telephone number for the Air and Radiation Docket is (202) 566-1742.

FOR FURTHER INFORMATION CONTACT:

General and Technical Information. Mr. David Markwordt, Office of Air Quality Planning and Standards, Sector Policies and Programs Division, Coatings and Chemicals Group (E-143-01), Environmental Protection Agency, Research Triangle Park, North Carolina 27711, telephone (919) 541-0837, facsimile number (919) 685-3195, electronic mail (e-mail) address: markwordt.david@epa.gov.

Residual Risk Assessment Information. Mr. Mark Morris, Office of Air Quality Planning and Standards, Health and Environmental Impacts Division, Sector Based Assessment Group (C539-02), Environmental Protection Agency, Research Triangle Park, North Carolina 27711, telephone (919) 541-5470, facsimile number (919) 541-0840, electronic mail (e-mail) address: morris.mark@epa.gov.

SUPPLEMENTARY INFORMATION: *Regulated Entities.* The regulated categories and entities affected by the national emission standards include:

Category	NAICS ^a	(SIC ^b)	Examples of regulated entities
Industry	329112 339113 325412 311942 311423	(3841) (3842) (2834) (2099) (2034)	Operations at major and area sources that sterilize or fumigate medical supplies, pharmaceuticals, and spice.
Federal/State/ local/tribal governments.			

^aNorth American Industry Classification System.

^bStandard Industrial Classification.

This table is not intended to be exhaustive, but rather provides a guide for readers regarding entities likely to be affected by the national emission standards. To determine whether your facility would be affected by the national emission standards, you should examine the applicability criteria in 40 CFR 63.360. If you have any questions regarding the applicability of the

national emission standards to a particular entity, consult either the air permit authority for the entity or your EPA regional representative as listed in 40 CFR 63.13.

Worldwide Web (WWW). In addition to being available in the docket, an electronic copy of today's final decision will also be available on the WWW through the Technology Transfer

Network (TTN). Following signature, a copy of the final decision will be posted on the TTN's policy and guidance page for newly proposed or promulgated rules at the following address: <http://www.epa.gov/ttn/oarpg/>. The TTN provides information and technology exchange in various areas of air pollution control.

Judicial Review. Under Clean Air Act (CAA) section 307(b)(1), judicial review of this final decision is available only by filing a petition for review in the United States Court of Appeals for the District of Columbia Circuit by June 6, 2006. Under section 307(d)(7)(B) of the CAA, only an objection to a rule or procedure raised with reasonable specificity during the period for public comment can be raised during judicial review. Moreover, under section 307(b)(2) of the CAA, the requirements established by the final decision may not be challenged separately in civil or criminal proceedings brought to enforce these requirements.

Section 307(d)(7)(B) of the CAA further provides that “[o]nly an objection to a rule or procedure which was raised with reasonable specificity during the period for public comment (including any public hearing) may be raised during judicial review.” This section also provides a mechanism for us to convene a proceeding for reconsideration, “[i]f the person raising an objection can demonstrate to the EPA that it was impracticable to raise such objection within [the period for public comment] or if the grounds for such objection arose after the period for public comment (but within the time specified for judicial review) and if such objection is of central relevance to the outcome of the rule.” Any person seeking to make such a demonstration to us should submit a Petition for Reconsideration to the Office of the Administrator, U.S. EPA, Room 3000, Ariel Rios Building, 1200 Pennsylvania Ave., NW., Washington, DC 20460, with a copy to both the person(s) listed in the preceding **FOR FURTHER INFORMATION CONTACT** section and the Associate General Counsel for the Air and Radiation Law Office, Office of General Counsel (Mail Code 2344A), U.S. EPA, 1200 Pennsylvania Ave., NW., Washington, DC 20004.

Outline. The information presented in this preamble is organized as follows:

- I. Background
 - A. What Is the Statutory Authority for These Actions?
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 - A. Executive Order 12866: Regulatory Planning and Review
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 - C. Regulatory Flexibility Act
 - D. Unfunded Mandates Reform Act
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- G. Executive Order 13045: Protection of Children From Environmental Health & Safety Risks
- H. Executive Order 13211: Actions That Significantly Affect Energy Supply, Distribution, or Use
- I. National Technology Transfer and Advancement Act
- J. Congressional Review Act

I. Background

A. What Is the Statutory Authority for These Actions?

Section 112 of the CAA establishes a comprehensive regulatory process to address hazardous air pollutants (HAP) from stationary sources. In implementing this process, we have identified categories of sources emitting one or more of the HAP listed in the CAA, and ethylene oxide sterilization facilities are identified as both major and area source categories. Section 112(d) requires us to promulgate national technology-based emission standards for sources within those categories that emit or have the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year (known as major sources), as well as for certain area sources emitting less than those amounts. These technology-based national emission standards for HAP (NESHAP) must reflect the maximum reductions of HAP achievable (after considering cost, energy requirements, and nonair health and environmental impacts) and are commonly referred to as maximum achievable control technology (MACT) standards. We promulgated the National Emission Standards for Ethylene Oxide Commercial Sterilization and Fumigation Operations Facilities at 59 FR 62585 on December 6, 1994 (Ethylene Oxide Sterilization NESHAP). As for area sources, we established MACT standards for certain emission points pursuant to section 112(d)(2) and generally available control technology (GACT) standards for other emission points pursuant to section 112(d)(5).

In what is referred to as the technology review, we are required under section 112(d)(6) of the CAA to review these technology-based standards no less frequently than every 8 years. Further, if we conclude that a revision is necessary, we have the authority to revise these standards, taking into account “developments in practices, processes, and control technologies.”

The residual risk review is described in section 112(f) of the CAA. Section 112(f)(2) requires us to determine for each section 112(d) source category,

except area source categories for which we issued a GACT standard, whether the NESHAP protects public health with an ample margin of safety (AMOS). If the NESHAP for HAP “classified as a known, probable, or possible human carcinogen do not reduce lifetime excess cancer risks to the individual most exposed to emissions from a source in the category or subcategory to less than one in one million,” we must decide whether additional reductions are necessary to provide an ample margin of safety. As part of this decision, we may consider costs, technological feasibility, uncertainties, or other relevant factors. We must determine whether more stringent standards are necessary to prevent adverse environmental effect (defined in section 112(a)(7)) as “any significant and widespread adverse effect, which may reasonably be anticipated to wildlife, aquatic life, or other natural resources, including adverse impacts on populations of endangered or threatened species or significant degradation of environmental quality over broad areas,” but in making this decision we must consider cost, energy, safety, and other relevant factors.

B. What Did We Propose?

We promulgated the Ethylene Oxide Sterilization NESHAP in 1994. On October 24, 2005 (70 FR 61406), we proposed not to revise the Ethylene Oxide Sterilization NESHAP and requested public comments on the residual risk and technology review for the Ethylene Oxide Sterilization NESHAP.

II. Risk and Technology Review Final Decision

In our proposal, we presented the analysis and conclusions on residual risk and technology review, concluding that the maximum individual cancer risk for this source category already meets the level we generally consider acceptable, and that further control requirements would achieve, at best, minimal emission and risk reductions at a very high cost from emission vents controlled with MACT at both major and area sources. Further, the analyses showed that both the chronic noncancer and acute risks from this source category are below their respective relevant health thresholds, and that there are no adverse impacts to the environment (i.e., ecological risks). As a result, we concluded that no additional control should be required because an ample margin of safety (considering cost, technical feasibility, and other factors) has been achieved by the NESHAP MACT requirements for the

ethylene oxide major and area source categories.

In the technology review, we concluded that additional controls at existing sources would achieve, at best, minimal emission and risk reductions at a very high cost. Additionally, we did not identify any significant developments in practices, processes, or control technologies since promulgation of the original standards in 1994 which represent the best controls that can be implemented nationally. Thus, we proposed no additional controls under the technology review under CAA section 112(d)(6).

We conclude in this rulemaking, as proposed, that there is not a need to revise the Ethylene Oxide Sterilization NESHAP under the provisions of CAA section 112(f) or 112(d)(6).

III. Summary of Comments and Responses

The proposal provided a 45-day comment period ending December 8, 2005. We received comments from eight commenters. Commenters included three State agencies, one State and local agency association, three industry trade associations, and one coalition of trade associations. We have considered the public comments as discussed below and did not find that the comments changed any of our determinations.

1. Source Category Risk Approach

Comment: One commenter disagreed that EPA can utilize approaches different from that specified in the Benzene NESHAP. The commenter believes that EPA misinterpreted the CAA legislative history stating that EPA could read section 112(f)(2)(B) as directing it to use the interpretation set out in the Benzene NESHAP or use approaches affording the same level of protection. According to the commenter, EPA must use only the Benzene NESHAP approach and cannot use any other approach by relying on a Senate manager's statement that EPA should interpret the section 112(f)(2)(B) requirement to establish standards reflecting an ample margin of safety in a manner no less protective of the most exposed individual than the policy set forth in the Benzene NESHAP.

Response: In the proposed rule, EPA followed the approach set out in National Emission Standards for Hazardous Air Pollutants (NESHAP): Benzene Emissions from Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage Vessels, Benzene Equipment Leaks, and Coke By-Product Recovery Plants, 54 FR 38044 (September 14, 1989). EPA used the two-step decision process of first

determining a level of acceptable risk followed by finding an ample margin of safety. As the commenter concedes EPA's approach is fully consistent with the Benzene NESHAP approach and therefore acceptable. Since, in this instance, EPA did not use any other approach, the comment is not applicable to this particular rulemaking.

Comment: One commenter stated that Congress was clear in requiring EPA to evaluate only the risks from an individual source category or subcategory in establishing residual risk standards. The commenter stated EPA should not include the risk from area sources in determining whether risks from the major source category exceeds the one-in-a-million risk trigger under section 112(f)(2) or in making judgments on acceptable risk and ample margin of safety for major sources.

Response: We listed separate source categories for major and area commercial sterilization facilities under section 112(c) of the CAA, and we agree with the commenter that a separate determination of acceptable risk and ample margin of safety should be made for each source category under section 112(f) of the CAA. Our risk assessment for commercial sterilization facilities includes risk estimates for all known sources, including mostly major sources and the area sources with the highest emissions. Only two area sources have estimated cancer risk greater than 1 in 1 million (highest is 20 in 1 million), and no area sources have modeled ethylene oxide concentrations near the reference concentration. For additional information on our risk assessment of area sources see section III.2.

In the preamble to the proposed rule, we stated that risks were acceptable considering all known sources (major and area sources) and that an ample margin of safety was achieved without control requirements beyond those in the current standards. Although the preamble to the proposed rule does not discuss separate determinations of acceptability and ample margin of safety for major and area source categories, our conclusions would not have changed whether we had considered all sources together, or separately for major sources and area sources.

Comment: One commenter stated that EPA did not comprehensively consider the plants' impacts because it did not consider all HAP emissions or all source categories at the facilities. The commenter stated that in considering only a portion of the facilities' emissions, the determination of low-risk is based on a distorted and unrealistic view of their impact. The commenter included an example of a facility that

uses and emits methyl bromide from its sterilization operations.

Response: In general, there is much less co-location of commercial sterilization operations with other industrial processes than there is for the typical source category. Many facilities are contract sterilizers with no co-location. In some cases, there is co-location of commercial sterilizers with other processes, such as pharmaceuticals production. We do not have sufficiently detailed information to analyze the possibility of controls on the various specific sources within a facility but outside the commercial sterilizer source category. As a result, we could not evaluate the existing levels of control or the potential for applying additional controls at the facilities where HAP emissions from other sources contribute to the risk. Therefore, we did not consider emissions from co-located sources in our decision to require no additional controls because we did not have the control cost and feasibility data necessary to do so. Our position on the potential consideration of co-located source categories is fully discussed in the coke oven final rule (70 FR 19995–19998).

Regarding emissions of methyl bromide, we searched the 1999 National Emissions Inventory (NEI) for the 76 identified ethylene oxide sterilization facilities to determine which emit both ethylene oxide and methyl bromide. According to the NEI data base, only two of the facilities emit both HAP. One of the facilities emits so little methyl bromide that the risk estimates would not be significantly different if methyl bromide were considered. The other facility emits more methyl bromide than ethylene oxide (about 2 to 3 times as much). However, because there is no cancer unit risk estimate for methyl bromide, the emissions of methyl bromide would not affect our cancer risk estimate (3 in 1 million). Considering effects other than cancer, the reference concentration for chronic inhalation exposures to methyl bromide is approximately six times lower than that of ethylene oxide. Consequently, the methyl bromide emissions could result in an increase in our estimate of the hazard index for the facility by as much as a factor of 20 (assuming similar source release parameters like stack height, etc.). This is not a concern because our current estimate of the hazard index is 0.001, and a factor greater than 1000 would be necessary before a hazard index of 1 would be exceeded. Therefore, even considering these emissions would not change our regulatory decision.

Comment: One commenter stated EPA should not conduct a separate technology review for ethylene oxide sources under section 112(d)(6). The commenter believes that once EPA has made a residual risk determination under section 112(f), emissions from the category are “safe,” and the Agency must find a revision of the MACT standard under section 112(d)(6) is unnecessary. Another commenter urges EPA to avoid expenditure of resources by conducting further analysis geared to tightening control requirements when an AMOS has already been provided by a protective standard.

Response: As discussed in the preamble to the proposed rule, we performed a separate technology review for both the area and major source categories under section 112(d)(6), but recommended no changes to the NESHAP. It is possible that future advances in control technologies for this source category could allow for meaningful emission reductions at a reasonable cost. We believe that the technology review required under section 112(d)(6) was appropriate here.

Comment: One commenter believes that there is no mechanism to revisit section 112(f) assessments and, therefore, that the risk assessment should be corrected to account for reasonably foreseeable changes that could result in increased risk, such as new residences being built closer to the facility, or increases in actual emissions within the current permit limitations.

Response: We disagree with the commenter's assertion that there is no mechanism to revisit risks from the source category, and that, therefore, the risk assessment must include consideration of foreseeable changes that may occur in the future. We have the authority to revisit (and revise, if necessary) any rulemaking if there is sufficient evidence that changes within the affected industry or significant improvements to science suggests the public is exposed to significant increases in risk as compared to the risk assessment prepared for the rulemaking (e.g., CAA section 301).

2. Area Source Category—MACT and GACT

Comment: One commenter stated that EPA has discretion to not regulate MACT or GACT area sources under section 112(f). One commenter stated that EPA has the discretion under section 112(f)(5) of the CAA to avoid residual risk analysis for area sources subject to GACT, regardless of whether such sources are subject to both MACT and GACT under section 112(d). The commenter reasoned that since the CAA

does not require residual risk analysis of area sources subject to GACT only, area sources subject to more stringent requirements under both MACT and GACT should also not require analysis. Two commenters stated that EPA should not omit sources subject to GACT from the residual risk analysis because it could result in serious underestimation of the health risks from area sources. One commenter believes that both section 112(d) and 112(f) of the CAA were satisfied when area sources were addressed under section 112(d)(5); since GACT controls alone would have been sufficient for EPA to avoid a residual risk review, clearly requiring both MACT and GACT controls obviates the need for any further Agency review of these area sources under both 112(d) and 112(f).

Response: For area source ethylene oxide sterilizers, EPA issued MACT standards under section 112(d)(2) for sterilizer vents and chamber exhaust vents and GACT standards for aeration room vents. EPA undertook a section 112(f)(2) analysis for area source emissions standards that were issued as MACT standards and exercised its discretion under section 112(f)(5) to not do an 112(f)(2) analysis for those emission points for which GACT standards were established. EPA appreciates the responses to its question regarding the range of discretion that the Agency has under section 112(f)(5) and will consider the points made by commenters in developing future relevant proposals. However, for purposes of this rulemaking, EPA believes that it exercised its discretion appropriately by conducting a 112(f)(2) analysis for those emission points subject to MACT standards.

3. Risk Analysis Assumptions

Comment: Two commenters stated that EPA must use the best available science to establish a cancer unit risk estimate for ethylene oxide, and that it is scientifically indefensible for EPA to use the California Environmental Protection Agency cancer unit risk factor in risk assessments when more recent epidemiological data exist. One commenter states that the basis for the California unit risk factor (mononuclear leukemia in female rats) is not relevant to humans. One commenter states that a sound scientific estimate of the cancer unit risk for ethylene oxide has been derived by Kirman, *et al.*¹ based partly

on two epidemiological studies^{2,3} that include exposure estimates for more than 20,000 workers. Two commenters stated that EPA should plan to reevaluate the risks associated with this source category whenever the new cancer risk estimate is made final, regardless of whether or not the final rule has been published.

Response: In estimating potential excess cancer risk associated with ethylene oxide sterilizers, EPA has considered all available, credible, and relevant information. In 1985, the EPA health assessment for ethylene oxide⁴ concluded, based on the information available at that time, that ethylene oxide is “probably carcinogenic to humans,” and derived a cancer unit risk estimate. California EPA subsequently relied on the EPA assessment in developing their cancer unit risk estimate using the same rat study as basis.^{5,6} The California EPA assessment received concurrence from their Scientific Review Panel.⁷ In 1994, the International Agency for Research on Cancer categorized ethylene oxide in their Group 1 (Carcinogenic to Humans). In 2000, the United States Department of Health and Human Services revised its listing for ethylene oxide to “known to be a human carcinogen” in the Ninth Report on Carcinogens.⁸ Support for this listing includes epidemiological evidence from studies of workers exposed to ethylene oxide and animal studies. Cancer in both human and animal studies has included multiple sites, including reported associations with leukemia.⁹

² Steenland, K.L., *et al.* 1991. Mortality among workers exposed to ethylene oxide. *New England Journal of Medicine*, 324(20):1402–1407.

³ Teta, M.J., *et al.* 1993. Mortality study of ethylene oxide workers in chemical manufacturing: A 10-year update. *British Journal of Industrial Medicine*, 50:704–709.

⁴ USEPA. 1985. Health Assessment Document for Ethylene Oxide, EPA/600/8–84/009F. Office of Health and Environmental Assessment, Washington, DC.

⁵ CARB. 1987. Staff Report: Initial Statement of Reasons For Proposed Rulemaking and Report of the Scientific Review Panel. California Air Resources Board. http://www/oehha.ca.gov/air/toxic_contaminants/pdf1/ethylene%20oxide.pdf.

⁶ CalEPA. 2005. Technical Support Document for Describing Available Cancer Potency Factors. California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. Air Toxicology and Epidemiology Section. http://www.oehha.ca.gov/air/hot_spots/pdf/May2005/Hotspots.pdf.

⁷ CARB. *op. cit.*

⁸ DHHS. 2000. Report on Carcinogens, Eleventh Edition; United States Department of Health and Human Services, Public Health Service, National Toxicology Program.

⁹ DHHS. *op. cit.*

¹ Kirman, C.R., *et al.* 2004. Addressing nonlinearity in the exposure-response relationship for a genotoxic carcinogen: cancer potency estimates for ethylene oxide. *Risk Anal.* 24(5):1165–83.

EPA is currently developing an updated cancer assessment for ethylene oxide (http://cfpub.epa.gov/iris/rac/index.cfm?fuseaction=viewChemical.showChemical&iris_sub_id=897). EPA's updated cancer assessment for ethylene oxide will consider all relevant literature and studies including the Kirman, *et al.* paper and the epidemiological studies referred to in the comment. However, until completion of that assessment and given the peer review status of the work done by the State of California, the California EPA unit risk estimate must be considered to be the best-available science and has therefore been used in assessing cancer risk for this rulemaking.

The EPA cancer assessment will not receive external peer review until mid-2006, which is after the promulgation date of the residual risk rule for this source category. Our authority to revisit any rulemaking is addressed in Section III.1.

Comment: Several commenters stated that Acute Exposure Guideline Levels (AEL), Emergency Response Planning Guidelines (ERPG), and Immediately Dangerous to Life or Health (IDLH) values should not be used in assessing the risk from acute exposures to ethylene oxide because these values were developed for accidental release planning and are not appropriate for assessing daily human exposure scenarios. One commenter stated that EPA's acute assessment discounted the use of the National Institute of Occupational Safety and Health (NIOSH) 10-minute ceiling value of 5 parts per million (ppm) (9 mg/m³), and noted that EPA's maximum acute exposure estimate for this source category (23 mg/m³) exceeds the NIOSH value. Two of the commenters stated that EPA's new acute reference concentration value for ethylene oxide should be used when it becomes available.

Response: We are continuing to evaluate the role of acute health effects in our section 112(f) analysis. In any event, we have concluded that this source category does not present acute health risks that warrant further regulation. Our authority to revisit any rulemaking is addressed in Section III.1.

Comment: Three commenters stated that EPA should consider the risks from chronic exposure at facility property boundaries instead of at the geographic centroids of census blocks. The commenters state that census blocks can be large and that the point of maximum impact can be far from the census block centroid.

Response: We believe that, in a national-scale assessment of lifetime inhalation exposures and health risks from a category of facilities, it is appropriate to identify exposure locations where an individual may reasonably be expected to spend a majority of his or her lifetime. Further, we believe that it is appropriate to use census block information on where people actually reside, rather than points on a fence-line, to locate the estimation of exposures and risks to individuals living near such facilities.

Census blocks are the finest resolution available for the nationwide population data set (as developed by the U.S. Census Bureau); each is typically comprised of approximately 40 people or about 10 households. In our risk assessments, we use the geographic centroid of each census block containing at least one person to represent the location where all the people in that census block live. The census block centroid with the highest estimated exposure then becomes the location of maximum exposure, and the entire population of that census block experiences the maximum individual risk. In some cases, since actual residence locations may be closer to or farther from facility emission points, this may result in an overestimate or underestimate of the actual chronic risks. However, given the relatively small dimensions of census blocks in densely-populated areas and the relatively large number of sources being assessed for any given source category, we believe that these uncertainties are small and do not bias our estimates of maximum individual risks for a source category.

Comment: One commenter stated that the risk assessment for ethylene oxide sterilization facilities lacks a reliable facility-specific inventory of emissions. The commenter stated that EPA did not acquire the ethylene oxide usage records and emissions data needed to perform the residual risk assessment, but instead relied on industry-supplied data from the Toxics Release Inventory (TRI) and the National Emissions Inventory (NEI). The commenter implied that EPA should have requested data from facilities under its authority under section 114 of the CAA. The commenter strongly recommend that the EPA re-conduct this residual risk assessment by requiring the sources subject to this proposed rulemaking to report five years of usage data and/or throughput data. The EPA should then select the maximum usage value to calculate emissions for each facility in the residual risk assessment based on the current percent control requirement

prescribed by the NESHAP. One commenter stated that EPA's risk assessment considered only actual reported emissions instead of potential emissions. The commenter stated that since facility emissions (and associated impacts) could increase over time for a variety of reasons EPA should have considered the risks based on potential emissions. Two commenters stated residual risk assessments must be performed on allowable emissions to fully understand the potential public health implications for a source category.

Response: Our position on the use of allowable emissions is fully discussed in the final Coke Oven Batteries NESHAP (70 FR 19998–19999).

We used reported emissions (from the National Emissions Inventory database and company reports) for the ethylene oxide source category risk analysis. The reported emissions are a mix of actual, allowable, and potential emissions, but we do not have the necessary information to distinguish between the types of data reported. While we generally recognize that most facilities over comply with the MACT requirements (thus, actual emissions are lower than allowable), we do not have data to determine the degree of over compliance that facilities are achieving or reporting. For example, chamber exhaust emissions in some cases may be lower because they are controlled by some States although not by EPA because of the safety issue discussed in the proposal. The removal of chamber exhaust vent controls by the States would likely result in a significant increase in risk. However, as discussed in section III.3, we have no basis to change conclusions presented in the proposal and will not impose controls on chamber exhaust emissions for either new or existing facilities.

The commenter also recommended we use the authority under section 114 of the CAA to gather data rather than use data bases like the TRI or data submitted by the facility but not under authority of the CAA. Since the data ultimately is supplied by the facility we believe the data is comparable to data gathered under section 114. The commenter also recommended we base rule-making on 5 years of data. The commenter provided no basis which demonstrates modeled results based on the previous 5 years are any more representative of risks than those based on the most recent emission estimates.

4. Additional Issues

Comment: One commenter stated EPA concludes that “further controls would not meaningfully reduce emissions from emission vents” but indicates that the Agency is aware that the State of California’s requirement for the main sterilizer vent is 99.9 percent as contrasted with the 99 percent MACT requirement. The Agency therefore requests further data from the public in the form of five questions dealing primarily with technology and costs. (70 FR 61408) EPA does not clearly set out what decision criteria will be applied to the information that the public is being asked to supply. The commenter also stated that EPA does not explicitly state the decision criteria used in making ample margin of safety decisions under the residual risk program. Specifically, the commenter stated that for ethylene oxide sterilization facilities, the EPA did not explicitly state that incremental emission control costs were compared to incremental risk reductions in making the ample margin of safety decision, as it has in past rulemakings such as the Benzene NESHAP and radionuclide standards. The commenter also stated that the public would better understand and accept EPA’s ample margin of safety decisions if EPA were to better educate the public regarding its estimated risk estimates and the contribution of stationary sources to the overall risk. One commenter stated EPA indicates that the agency had considered increasing the emission reduction limit to 99.9 percent in the national emission standards but that “we do not have data to confirm that facilities are capable of achieving 99.9 percent on a continuous basis” (70 FR 61409). The commenter encouraged EPA to review state data on this source category, including information from New York and New Jersey, indicating that such levels are achievable. Another commenter stated that EPA needs to re-evaluate the control technologies and exemptions from the current NESHAP. The emissions of ethylene oxide from the largest fugitive sources evaluated in the residual risk assessment equates to over 28 tons per year. The EPA should assess the risk reductions associated with the additional control percentages on the sterilizer chamber vent and aeration room vents for sources which use between 1 and less than 10 tons and 10 tons or greater per year of ethylene oxide.

Response: EPA stated in the proposal, “we considered the estimate of health risk and other health information along with additional factors relating to the appropriate level of control, including

costs and economic impacts of controls, technological feasibility, uncertainties, and other relevant factors.” We used the same decision criteria today to address the data submitted in response to the proposal. The EPA does not have definitive criteria such as a specific cost effectiveness value which dictates the final outcome.

We solicited comments concerning both the control effectiveness and costs associated with increasing the performance limit to 99.9 percent. The summary test data submitted by the commenters lend support to the technical feasibility of complying with a higher limit for the main sterilizer vent. Commenters did not supply data supporting continuous compliance with a higher limit.

Many of the outlet concentrations are reported at the detection limit. This implies the measurement devices were showing zero concentration of ethylene oxide in the outlet stream. Because both the 1990s and 2000s data show no ethylene oxide in the outlet stream, we believe there isn’t a measurable difference in the control efficiencies of the tested devices.

We did not receive comments addressing the safe control of emissions from the chamber exhaust vent. As we stated in the “Memorandum: Technology Review and Residual Risk Data Development for the Ethylene Oxide Commercial Sterilization NESHAP” (Docket # EPA-HQ-OAQ-2003-0197-0027): “Many, if not all, source facilities utilize a chamber exhaust fan while personnel are removing product from the sterilization chamber. This fan removes ethylene oxide off-gassing from the product. The Ethylene Oxide Commercial Sterilization and Fumigation NESHAP promulgated in 1994 (59 FR 62585) required control of the chamber exhaust vent. In 1997 there were a series of explosions associated with control of the chamber exhaust vent (62 FR 64736). We subsequently reassessed the control requirements and removed the requirement to control the chamber exhaust in November 2001 (66 FR 55577); the Agency continues to believe that the action taken in 2001 is reasonable and we have found no safe way to impose controls on the chamber exhaust vents. Approximately 1 percent of the ethylene oxide used in the process is emitted through the chamber exhaust vent.”

Therefore, we have no basis to change conclusions presented in the proposal and will not impose controls on chamber exhaust emissions for either new or existing facilities.

To assess the risk reduction associated with increasing the stringency of the standard for the main sterilizer vent from 99 to 99.9 percent emission reduction, we looked at the five facilities with the highest estimated cancer risk (ETO 4, 5, 8, 18, 19, and 27). Only one commenter provided cost estimates to retrofit existing facilities to comply with a higher standard. This commenter estimated the retrofit costs to be approximately one million dollars per facility. Emissions from these five facilities range from approximately 0.3 to 4.5 tons per year and total 18 tons per year (Docket item EPA-HQ-OAR-2003-0197-0003, Table 2). Approximately 12 of the 18 tons are fugitive emissions from the chamber exhaust. Residual emissions i.e., emissions after the application of emission control devices from the main chamber and aeration vents for the five facilities with the highest estimated cancer risk (ETO 4, 5, 8, 18, 19, and 27) range from approximately 0 to 1.6 tons per year, and are 4 tons per year in total (Docket item EPA-HQ-OAR-2003-0197-0003 Table 2). Based on a \$1 million capital investment per facility, a 7 percent discount rate, and a 10-year capital recovery period, the average cost per ton of emissions reduced for the five facilities is approximately \$35,000. These estimates assume facilities complying with the 99 percent limit do not in practice achieve a higher efficiency than 99 percent and there are zero emissions from control devices complying with the 99.9 percent limit.

To test the commenter’s assertion that more stringent controls on the main and aeration vents would reduce risk levels, we remodeled the five facilities with the highest estimated cancer risk (ETO 4, 5, 8, 18, 19, and 27) with the assumption that main vent and aeration vent emissions are essentially zero after a 99.9 percent reduction and we compared the results to the baseline risks estimates. The risks (estimated to one significant figure) changed for only one facility, for which the maximum individual risk was reduced from 90 in 1 million to 80 in 1 million. Although we did not remodel all facilities, similar results would be expected for the other facilities because of the high chamber exhaust emissions relative to the emissions from the main vent and aeration vent after 99 percent control. Therefore, for existing major sources we conclude in our ample margin of safety decision that further controls would achieve minimal emission and risk reductions at a very high cost.

For existing sources under the 8 year review, in the proposal we stated, “Because the three vents associated

with these facilities (i.e., the main sterilization, aeration room, and chamber exhaust emission vents) are the same for both major and area sources, the conclusions concerning technology apply to both source categories. We found that additional controls for emission vents controlled with either MACT or GACT would achieve at best, minimal emission and risk reductions at a very high cost. In our review, we did not identify any significant developments in practices, processes, or control technologies since promulgation of the national emission standards in 1994.” The analysis presented above for the five facilities with the highest risk support the conclusion presented in the proposal.

As stated above we believe for new main sterilizer vent and aeration control, increasing the stringency of the control limit from 99 to 99.9 percent achieves only a minimal reduction in risk. Therefore, EPA does not find it necessary to increase the control limit for new facilities.

Comment: One commenter stated EPA appropriately concluded that changes to the standard are not required to satisfy section 112(f) of the CAA. However, the commenter stated EPA did not provide sufficient data in the preamble to the document on the AMOS analysis that led to this conclusion, including its cost versus risk-reduction benefit analysis for a possible increase in the EO reduction requirements from 99 percent to 99.9 percent.

Response: As we stated in the proposal, we did not find any new technology or alternative controls for any vents for commercial EO sterilizers. We also found no data to support the addition of down stream control devices to existing controls as a way of further reducing emissions. We, therefore, concluded that further controls would achieve minimal reductions at a high cost. While we were aware of more stringent control limits at the State level, we stated in the proposal that we did not have data to confirm that all facilities are capable of meeting a more stringent level and solicited both control and cost data. Based on the data received from commenters we performed a risk assessment which confirmed our earlier qualitative conclusion.

Comment: One commenter stated EPA’s language suggests that the decision criterion is whether further reductions would “meaningfully reduce emissions or risks.” (70 FR 61408) The commenter stated that introducing the term “meaningfully reduce” without further explaining it is potentially misleading to the public. They were

further troubled by the continued insertion of the word “emissions” in this formulation of the decision criteria as reinforced by the specific questions asked in this **Federal Register** notice.

Response: EPA presented, in the proposal, its analysis and conclusions on residual risk and technology review. Under section 112(d)(6), EPA is required to review the MACT standards and revise them as necessary taking into account developments in practices, processes and control technologies, no less frequently than every 8 years. Section 112(f)(2) requires us to determine for each source category whether the NESHAP protect public health with an ample margin of safety and prevent an adverse environmental effect. After reviewing and analyzing data under both these sections, EPA concluded that further controls would not meaningfully reduce emissions or risks. EPA reached this conclusion because the maximum individual cancer risk for this source category is already at the level we generally consider acceptable and that further controls would achieve minimal risk reduction at a very high cost. In addition, our conclusion referred to both emissions and risk because EPA’s analysis included both the technology review and a residual risk determination.

Comment: One commenter stated EPA’s CAA section 112(d)(6) review of the source category correctly concluded that the NESHAP standards did not need to be revised. However, the commenter stated that EPA reached this conclusion after conducting an independent technology review instead of basing it on the conclusions of EPA’s CAA section 112(f)(2) analysis, which showed that the source category achieves an AMOS that is not limited by cost or technological feasibility concerns. The commenter believes that EPA should have based its determination that further controls under 112(d)(6) are not required through the 112(f) AMOS determination. According to the commenter, EPA did not need to conduct a separate technology review because it considered the need for additional controls in its AMOS analysis. The commenter goes on to state that where the AMOS is based in large part on cost or technical feasibility concerns, which according to the commenter was not the case with EO sterilizer facilities, then further future review under CAA section 112(d)(6) may remain viable and additional controls may not be precluded if feasible control measures are identified. Further, the commenter states that in evaluating whether action is necessary under CAA section

112(d)(6), EPA should not apply a “bright line” 1 in 1 million standard for cancer risks, nor a similar “bright line” standard for non-cancer risks.

Response: Section 112(d)(6) of the CAA requires EPA to review, and revise as necessary (taking into account developments in practices, processes, and control technologies), emission standards promulgated under section 112 no less often than every 8 years. We disagree, therefore, that the Agency did not need to conduct a separate technology review because it considered, among other factors, the need for additional controls under its 112(f) analysis. As we noted in the preamble to the Coke Ovens residual risk rule, the findings that underlie a section 112(f) determination should be key factors in making any subsequent section 112(d)(6) determinations. However, as the word “subsequent” indicates, we believe that we are obligated to perform the initial section 112(d)(6) analysis. Because the timing for the initial section 112(d)(6) analysis coincides with those of the residual risk analysis, it is appropriate for the Agency to conduct both analyses at the same time and for the results of the risk analysis to impact future section 112(d)(6) technology reviews. However, we agree with the commenters that a revision is not necessarily required under section 112(d)(6) even if cancer risks are greater than or equal to 1 in 1 million. For example, it may be the case that a technology review is performed, but no change in the standard results from that review. In the preamble to the residual risk rule for Coke Ovens, we have applied a similar logic to the need for subsequent technology revisions under section 112(d)(6). As we stated in the Coke Ovens rule, if the ample margin of safety analysis for a section 112(f) standard shows that the remaining risk for non-threshold pollutants falls below 1 in 1 million and for threshold pollutants falls below a similar threshold of safety, then further revision should not be needed because an ample margin of safety has already been assured.

We generally agree that where an AMOS is based on cost or technical feasibility future review under § 112(d)(6) may require additional controls if feasible control measures are identified. If the availability and/or costs of technology are part of the rationale for the ample margin of safety determination, it is reasonable to conclude that changes in those costs or in the availability of technology could alter our conclusions regarding the ample margin of safety. For this reason, we agree that revisions may be

appropriate if the ample margin of safety established by the residual risk process considers cost or technical feasibility. In the EO proposal, we noted that while some states required the facilities to meet a more stringent standard, we believed that the costs and feasibility concerns for implementing such a standard did not make adopting this standard a reasonable alternative. In addition, we noted in the preamble to the EO proposal that EPA had evaluated new technologies and alternatives during our investigation of the safety issue regarding chamber exhaust vents and concluded that controls on those vents were not technologically feasible and additional controls on these vents were limited because of the safety issues. [For a full discussion of the safety issues, see 66 FR Notice 55577.]

IV. Statutory and Executive Order Reviews

A. Executive Order 12866: Regulatory Planning and Review

Under Executive Order 12866 (58 FR 51735, October 4, 1993), we must determine whether a regulation is “significant” and, therefore, subject to Office of Management and Budget (OMB) review and the requirements of the Executive Order. The Executive Order defines “significant regulatory action” as one that is likely to result in a rule that may:

(1) Have an annual effect on the economy of \$100 million or more, or adversely affect in a material way the economy, a sector of the economy, productivity, competition, jobs, the environment, public health or safety, or State, local, or tribal government communities;

(2) create a serious inconsistency or otherwise interfere with an action taken or planned by another agency;

(3) materially alter the budgetary impact of entitlements, grants, user fees, or loan programs, or the rights and obligations of recipients thereof; or

(4) raise novel or policy issues arising out of legal mandates, the President's priorities, or the principles set forth in the Executive Order.

Pursuant to the terms of Executive Order 12866, OMB has notified us that it considers this a “significant regulatory action” within the meaning of the Executive Order. We have submitted this action to OMB for review. Changes made in response to OMB suggestions or recommendations will be documented in the public record.

B. Paperwork Reduction Act

This action does not impose any new information collection burden.

However, OMB has previously approved the information collection requirements for the national emissions standards under the provisions of the Paperwork Reduction Act, 44 U.S.C. 3501 *et seq.* and has assigned OMB control number 2060–0283, EPA ICR number 1666.06. A copy of the OMB approved Information Collection Request (ICR) may be obtained from Susan Auby, Collection Strategies Division; U.S. Environmental Protection Agency (2822T); 1200 Pennsylvania Ave., NW., Washington, DC 20460 or by calling (202) 566–1672.

Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control numbers for our regulations are listed in 40 CFR part 9 and 48 CFR chapter 15.

We have established a public docket for this action, which includes the ICR, under Docket ID number EPA–HQ–OAR–2003–0197, which can be found in <http://www.regulations.gov>. Today's final decision will not change the burden estimates from those developed and approved in 1994 for the national emission standards.

C. Regulatory Flexibility Act

The Regulatory Flexibility Act (RFA) generally requires an agency to prepare a regulatory flexibility analysis of any rule subject to notice and comment rulemaking requirements under the Administrative Procedure Act or any other statute unless the agency certifies that the rule will not have a significant economic impact on a substantial number of small entities. Small entities include small businesses, small organizations, and small governmental jurisdictions.

For purposes of assessing the impacts of today's rule on small entities, small entity is defined as: (1) A small business as defined by the Small Business

Administrations' regulations at 13 CFR 121.201; (2) a small governmental jurisdiction that is a government of a city, county, town, school district or special district with a population of less than 50,000; and (3) a small organization that is any not-for-profit enterprise which is independently owned and operated and is not dominant in its field.

After considering the economic impacts of today's final decision on small entities, we have concluded that this action will not have a significant economic impact on a substantial number of small entities. We are taking no further action at this time to revise the national emission standards. Thus, the final decision will not impose any requirements on small entities. Today's final decision on the residual risk assessment and technology review for the national emission standards imposes no additional burden on facilities impacted by the national emission standards.

D. Unfunded Mandates Reform Act

Title II of the Unfunded Mandates Reform Act of 1995 (UMRA), Public Law 104–4, establishes requirements for Federal agencies to assess the effects of their regulatory actions on State, local, and tribal governments and the private sector. Under section 202 of the UMRA, we generally must prepare a written statement, including a cost-benefit analysis, for proposed and final rules with “Federal mandates” that may result in expenditures by State, local, and tribal governments, in aggregate, or by the private sector, of \$100 million or more in any 1 year. Before promulgating a rule for which a written statement is needed, section 205 of the UMRA generally requires us to identify and consider a reasonable number of regulatory alternatives and adopt the least costly, most cost-effective, or least burdensome alternative that achieves the objectives of the rule. The provisions of section 205 do not apply when they are inconsistent with applicable law. Moreover, section 205 allows us to adopt an alternative other than the least costly, most cost-effective, or least burdensome alternative if the Administrator publishes with the final rule an explanation of why that alternative was not adopted.

Before we establish any regulatory requirements that may significantly or uniquely affect small governments, including tribal governments, we must have developed under section 203 of the UMRA a small government agency plan. The plan must provide for notifying potentially affected small governments, enabling officials of affected small

governments to have meaningful and timely input in the development of regulatory proposals with significant Federal intergovernmental mandates, and informing, educating, and advising small governments on compliance with the regulatory requirements.

We have determined that today's final decision does not contain a Federal mandate that may result in expenditures of \$100 million or more to State, local, and tribal governments in the aggregate, or to the private sector in any 1 year. Therefore, today's final decision is not subject to the requirements of sections 202 and 205 of the UMRA. In addition, today's final decision does not significantly or uniquely affect small governments because it contains no requirements that apply to such governments or impose obligations upon them. Therefore, today's final decision is not subject to section 203 of the UMRA.

E. Executive Order 13132: Federalism

Executive Order 13132, entitled "Federalism" (64 FR 43255, August 10, 1999), requires us to develop an accountable process to ensure "meaningful and timely input by State and local officials in the development of regulatory policies that have federalism implications." "Policies that have federalism implications" is defined in the Executive Order to include regulations that have "substantial direct effects on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government."

Today's final decision does not have substantial direct effects on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government, as specified in Executive Order 13132. Thus, the requirements of the Executive Order do not apply to today's final decision.

F. Executive Order 13175: Consultation and Coordination With Indian Tribal Governments

Executive Order 13175, entitled "Consultation and Coordination with Indian Tribal Governments" (65 FR 67249, November 6, 2000), requires us to develop an accountable process to ensure "meaningful and timely input by tribal officials in the development of regulatory policies that have tribal implications." "Policies that have tribal implications" is defined in the Executive Order to include regulations that have "substantial direct effects on one or more Indian tribes, on the

relationship between the Federal government and the Indian tribes, or on the distribution of power and responsibilities between the Federal government and Indian tribes."

Today's final decision does not have tribal implications. It will not have substantial direct effects on tribal governments, on the relationship between the Federal government and Indian tribes, or on the distribution of power and responsibilities between the Federal government and Indian tribes, as specified in Executive Order 13175. Thus, Executive Order 13175 does not apply to today's final decision.

G. Executive Order 13045: Protection of Children From Environmental Health & Safety Risks

Executive Order 13045 (62 FR 19885, April 23, 1997) applies to any rule that: (1) Is determined to be "economically significant" as defined under Executive Order 12866, and (2) concerns an environmental health or safety risk that we have reason to believe may have a disproportionate effect on children. If the regulatory action meets both criteria, we must evaluate the environmental health or safety effects of the planned rule on children and explain why the planned regulation is preferable to other potentially effective and reasonably feasible alternatives considered by the Agency.

Today's final decision is not subject to the Executive Order because it is not economically significant as defined in Executive Order 12866, and because, as explained earlier, the Agency does not have reason to believe the environmental health or safety risk addressed by this action present a disproportionate risk to children.

H. Executive Order 13211: Actions That Significantly Affect Energy Supply, Distribution, or Use

Today's final decision is not an "economically significant energy action" as defined in Executive Order 13211 (66 FR 28355, May 22, 2001) because it is not likely to have a significant adverse effect on the supply, distribution, or use of energy. Further, we have concluded that today's final decision is not likely to have any adverse energy impacts.

I. National Technology Transfer and Advancement Act

Under section 12(d) of the National Technology Transfer and Advancement Act of 1995 (NTTAA), Public Law No. 104-113, all Federal agencies are required to use voluntary consensus standards (VCS) in their regulatory and procurement activities unless to do so

would be inconsistent with applicable law or otherwise impractical. Voluntary consensus standards are technical standards (e.g., materials specifications, test methods, sampling procedures, business practices) developed or adopted by one or more voluntary consensus bodies. The NTTAA requires Federal agencies to provide Congress, through annual reports to OMB, with explanations when the agency does not use available and applicable VCS.

Today's final decision does not involve technical standards. Therefore, the requirements of the NTTAA are not applicable.

J. Congressional Review Act

The Congressional Review Act, 5 U.S.C. 801 *et seq.*, as added by the Small Business Regulatory Enforcement Fairness Act of 1996, generally provides that before a rule may take effect, the agency promulgating the rule must submit a rule report, which includes a copy of the rule, to each House of the Congress and to the Comptroller General of the United States. We will submit a report containing this final decision and other required information to the U.S. Senate, the U.S. House of Representatives, and the Comptroller General of the United States prior to publication of the final decision in the **Federal Register**. A major rule cannot take effect until 60 days after it is published in the **Federal Register**. This action is not a "major rule" as defined by 5 U.S.C. 804(2). The final decision becomes effective on April 7, 2006.

List of Subjects in 40 CFR Part 63

Environmental protection, Administrative practice and procedures, Air pollution control, Intergovernmental relations, Reporting and recordkeeping requirements.

Dated: March 31, 2006.

Stephen L. Johnson,
Administrator.

[FR Doc. 06-3314 Filed 4-6-06; 8:45 am]

BILLING CODE 6560-50-P

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 63

[EPA-HQ-OAR-2003-0161, FRL-8054-2]

RIN 2060-AK23

National Emission Standards for Magnetic Tape Manufacturing Operations

AGENCY: Environmental Protection Agency (EPA).

ACTION: Final action.

Option selected 1

[illegible][illegible]

	Cost	Dollar year	Source
PTE DPPL capital cost	\$529	1907	https://www.fishbase.org/species/pteleoptera/summary
PTE capital cost	\$3,750,000	2018	Memo
PTE total annual cost	\$400,600	2018	Memo
PTE control costs, one hour	\$28,680	2018	Memo

[illegible][illegible]

List of Commercial Sterilization Facilities

ID	Facility Name	Street Address	City	State
1073211	Baxter Healthcare Corporation	1900 North Highway 201	Mountain Home	AR
ACSAZ	American Contract Systems Inc	7300 W Detroit Street	Chandler	AZ
STRYKER	Stryker Sustainability Solutions	10232 S. 51st St.	Phoenix	AZ
MICROVENTION	Microvention, Inc.	35 Enterprise	Aliso Viejo	CA
LSO	Life Science Outsourcing, Inc	830 Challenger St	Brea	CA
PARTER	Parter Medical Products Inc	17115 Kingsview Ave	Carson	CA
AMRCA	Applied Medical Resources	9401 Toledo Way	Irvine	CA
EISSTERIGEN ICSLA	Sterigenics US, Inc.	4801-63 50th St	Los Angeles	CA
15717311	Blue Line Sterilization Services	401 Bel Marin Keys Blvd, Unit C	Novato	CA
EISSTERIGEN ICSONTARIO	Sterigenics US, LLC	687 Wanamaker Ave	Ontario	CA
ACSCA	American Contract Systems Inc	14528 Meridian Pky, Ste B	Riverside	CA
JAXCA	The Jackson Laboratory	1650 Santa Ana Ave	Sacramento	CA
7125311	Steris Isomedix Services Inc	7685 Saint Andrews	San Diego	CA
186811	St. Jude Medical CRMD	15900 Valley View Ct	Sylmar	CA
EISSTERISTE MECULA	Steris, Inc.	43425 Business Park Dr	Temecula	CA
3868611	LivaNova	14401 W. 65th Way	Arvada	CO
20042411	Western	5421 Western Ave	Boulder	CO
3832911	Terumo BCT Sterilization Service, Inc.	11308 W. Collins Avenue	Lakewood	CO
12847611	Jorgensen Labs, Inc.	2211 West 8th Street	Loveland	CO
2707711	Covidien LP	195 McDermott Road	North Haven	CT
18809411	Arthrex Manufacturing Inc Finishing	6861 Arthrex Commerce Dr	Ave Maria	FL
FORTMYERS	Fort Myers Facility	11600 Adelmo Ln	Fort Myers	FL

List of Commercial Sterilization Facilities

ID	Facility Name	Street Address	City	State
12775411	International Sterilization Laboratory	217 Sampey Road	Groveland	FL
4359211	Medtronic ENT	6743 Southpoint Dr N	Jacksonville	FL
ACSTEMPLE TERRACE	American Contract Systems, Inc.	7802 E Telecom Pkwy	Temple Terrace	FL
3699811	Sterigenics U.S. LLC	2971 Olympic Industrial Court SE, Suite 116	Atlanta	GA
4315911	Sterilization Services of Georgia	6005 Boat Rock Boulevard	Atlanta	GA
2534011	KPR U.S. LLC d/b/a Kendall Patient Recovery U.S., LLC	1430 Marvin Griffin Road	Augusta	GA
2686511	BD (Becton, Dickinson and Company)	8195 Industrial Boulevard	Covington	GA
17953911	BD (Becton, Dickinson and Company)	1211 Mary Magnan Boulevard	Madison	GA
ACSIA	American Contract Systems, Inc.	1601 SE Gateway Drive, Suite 120	Grimes	IA
8140511	Medline Industries	1160 South Northpoint Boulevard	Waukegan	IL
4553311	Cook Incorporated	6330 North Matthews Drive	Ellettsville	IN
8142611	Isomedix Operation, Inc.	435 Whitney Street	Northborough	MA
8155611	PCS, Inc.	40 Myles Standish Boulevard	Taunton	MA
FUCHS	Fuchs North America	3800 Hampstead Mexico Road	Hampstead	MD
17953511	Elite Spice, Inc.	1415 Magellan Drive	Hanover	MD
5997411	Elite Spice, Inc.	7151 Montevideo Rd	Jessup	MD
6572011	Trinity Sterile, Inc.	201 Kiley Drive	Salisbury	MD
7172111	Cardiac Pacemakers Inc/Boston Scientific	4100 Hamline Ave N	Arden Hills	MN
6449011	STERIS Inc.	380 90th Avenue Northwest	Coon Rapids	MN
EISMEDTRO NICFRIDLEY	Medtronic Inc - Rice Creek	7000 Central Ave NE	Fridley	MN

List of Commercial Sterilization Facilities

ID	Facility Name	Street Address	City	State
7703311	Midwest Sterilization Corporation	1204 Lenco Ave	Jackson	MO
ACSMO	American Contract Systems	2610 NE Industrial Dr Ste 220	North Kansas City	MO
7746311	Sterigenics US, LLC	10821 Withers Cove Park Drive	Charlotte	NC
ANSCI	Andersen Scientific	1001 Aviation Pkwy Suite 600	Morrisville	NC
16431311	Becton Dickinson Pharmaceutical Systems	920 E 19th Street	Columbus	NE
JPAC	J-Pac, LLC	25 Centre Road	Somersworth	NH
7518611	Cosmed Group Inc dba Cosmed of NJ	19 Park Dr	Franklin	NJ
7647011	ETO Sterilization-Plant #2	2500 Brunswick Ave	Linden	NJ
6721211	Steris Isomedix Services Inc	3459 S Clinton Ave	South Plainfield	NJ
7582111	Sterigenics-Santa Teresa, NM	2400 Airport Road	Santa Teresa	NM
5148911	Elite Spice, Inc.	1225 E. Greg Street #102	Sparks	NV
LIS	Long Island Sterilization	175 Wireless Blvd	Hauppauge	NY
8409411	Sterigenics US LLC	84 Park Rd	Queensbury	NY
ACSOH	American Contract Systems, Inc.	85 Shaffer Park Dr	Tiffin	OH
1047511	LEMCO Ardmore	3204 Hale Road	Ardmore	OK
14657611	B Braun Med Inc/Allentown	901 Marcon Blvd	Allentown	PA
3765611	Cosmed Group LLC/Erie	2205 E 33rd St	Erie	PA
ACSPA	American Contract Systems	4040 Jackson Pointe Court, Building 4000	Zelienople	PA
6982311	Edwards Lifesciences Technology Sàrl	Parque Industrial Carr. PR-402, Km. 1.4 N	Añasco	PR
17622611	St. Jude Medical Puerto Rico, LLC.	Carr 682 Int Santana Industrial Park Bo. Santana	Arecibo	PR
18934511	Guidant Puerto Rico, B.V. (dba Boston Scientific Puerto Rico)	Road 698 lot No. 12	Dorado	PR

List of Commercial Sterilization Facilities

ID	Facility Name	Street Address	City	State
CUSTOMED	Customed, Inc.	Carretera Igualdad #7	Fajardo	PR
MPROCJUNC OS	Medtronic Puerto Rico Operations Company	Carr. PR-31, Km 24.4	Juncos	PR
15515811	Steri-Tech, Inc.	Carretera 701 Km 0.7 Salinas Industrial Park	Salinas	PR
MPROCVILL ALBA	Medtronic PR Operation Co.	Carr. 151, Bo. Villalba Arriba	Villalba	PR
6560811	Boston Scientific Corporation	8 Industrial Drive	Coventry	RI
6640211	STERIS-Isomedix Services	2072 Southport Road	Spartanburg	SC
5047611	3M Company	601 22nd Avenue South	Brookings	SD
2845011	Sterilization Services of Tennessee	2396 Florida Street	Memphis	TN
3082511	DeRoyal Industries, Inc.	1135 Highway 33 South	New Tazewell	TN
STERITEC	Steritec, Inc.	1705 Enterprise Street	Athens	TX
DYNATEC	Dynatec Scientific Laboratories	11940 Golden Gate Rd	El Paso	TX
3049411	Isomedix Operations, Inc.	1435 Isomedix Pl	El Paso	TX
6888911	Isomedix Operations, Inc.	1175 Isuzu Pkwy	Grand Prairie	TX
9132811	Sterigenics U.S. LLC	1302 Avenue T	Grand Prairie	TX
9061511	Midwest Sterilization Corporation	12010 General Milton	Laredo	TX
6755311	Ethicon, Inc.	3348 Pulliam St	San Angelo	TX
7307111	Ethylene Oxide Commercial Sterilization Plant	5725 West Harold Gatty Drive	Salt Lake City	UT
7697511	BD Medical	9450 South State Street	Sandy	UT
CVHN	Central Virginia Health Network	2521 Brittons Hill Road	Richmond	VA
17953611	Sterilization Services of Virginia	5674 Eastport Boulevard	Richmond	VA
LNHBAYSIDE	Lifenet Health	5733 Bayside Rd - Suite 104	Virginia Beach	VA
ALCON	ALCON - Advance Optic Device Center North	2 Vision Lane	Lesage	WV

List of Commercial Sterilization Facilities

ID	Facility Name	Street Address	City	State
STERIGENICS AR	Sterigenics U.S., LLC	Approximately west of intersection of Hino Boulevard and Kuhn Road	Marion	AR
BDAZ	Becton, Dickinson and Company (BD)	7345 E. Valencia Road	Tuscon	AZ
NAMSA	North America Science Associates, Inc.	6750 Wales Rd	Northwood	OH

Industry impacts
[\(Click here to return to ReadMe worksheet\)](#)
Parent companies

Parent company	Small entity?	Sales (million)	No. of facilities owned by company	Total annual cost	CSR
3M Company	No	32180	1	\$904,555	0%
Abbott Laboratories	No	34610	2	\$495,548	0%
Alcon AG	No	6830	1	\$223,514	0%
Andersen Scientific Inc	Yes	0.25508	1	\$172,417	67%
Applied Medical Corporation	No	700	1	\$1,189,177	0%
Arthrex, Inc.	No	620	1	\$1,234,856	0%
Aso Corporation	Yes	46.82	1	\$809,451	1%
B. Braun of America Inc.	No	960	1	\$2,037,008	0%
Baxter International Inc.	No	11670	1	\$830,884	0%
Becton, Dickinson and Company	No	17120	5	\$3,069,475	0%
Blue Line Sterilization Services LLC	Yes	1.4	1	\$196,271	14%
Bon Secours Mercy Health, Inc.	No	9970	1	\$202,417	0%
Boston Scientific Corporation	No	9910	3	\$1,846,111	0%
Boulder BioMed, LLC	Yes	2.62	1	\$314,736	12%
Cardinal Health, Inc.	No	152920	1	\$292,460	0%
Chatham Corporation	Yes	69.4	3	\$2,956,627	4%
Cook Group Incorporated	No	1610	1	\$815,337	0%
Cosmed Group, Inc.	Yes	10.54	2	\$1,322,361	12%
Deroyal Industries, Inc.	No	411.84	1	\$3,104,251	0%
DF World of Spices GmbH	No	580	1	\$254,242	0%
Dynatec Scientific Laboratories	Yes	3.65	1	\$151,830	4%
Edward Lifesciences Corp	No	4390	1	\$962,648	0%
Elite Spice, Inc.	No	109.75	3	\$952,491	0%
Eto Sterilization Inc.	Yes	2	1	\$1,040,900	52%
Johnson & Johnson	No	82580	1	\$626,553	0%
Jorgensen Laboratories, Inc.	Yes	14.34	1	\$189,689	1%
Lemco Enterprises, Inc.	Yes	1.03	1	\$475,000	46%
Life Science Outsourcing, Inc.	Yes	20.17	1	\$202,493	1%
Lifenet Health	Yes	376.12	1	\$151,944	0%
Livanova PLC	No	930	1	\$226,437	0%
Medline Industries, Inc.	No	7750	1	\$254,664	0%
Medtronic Public Limited Company	No	30120	5	\$4,626,757	0%
Midwest Sterilization Corporation	Yes	12.99	2	\$5,162,711	39%
North American Science Associates, LLC	Yes	102.4	1	\$544,973	0%
Owens & Minor, Inc.	No	8480	8	\$3,769,574	0%
Parter Medical Products, Inc.	Yes	38.95	1	\$775,276	1%
Professional Contract Sterilization, Inc.	Yes	2.89	1	\$817,909	28%
Puerto Rico Hospital Supply, Inc	Yes	51	1	\$592,721	1%
Robert Busse & Co., Inc.	No	92.79	1	\$370,291	0%
Sotera Health LLC	No	446	9	\$8,109,004	1%
Steris Ltd.	No	3030	8	\$9,943,057	0%
Steritec Inc.	Yes	3.49	1	\$538,712	15%
Steri-Tech, Inc.	Yes	1.74	1	\$511,209	29%
Stryker Corporation	No	14350	1	\$457,521	0%
The Jackson Laboratory	No	5790	1	\$192,136	0%
Terumo Corporation	No	440.77	2	\$1,090,450	0%
Torque Medical Holdings, LLC	No	17.71	1	\$202,417	1%
Trinity Sterile, Inc.	Yes	58.53	1	\$568,484	0%

Total costs

	All businesses	Small businesses
Total Capital Costs:	\$145,789,300	\$44,454,280
Total Annualized Capital Costs:	\$15,518,008	\$4,541,958
Total Annual O&M Costs:	\$30,662,744	\$8,207,610
Total One-Time Annual Costs	\$19,598,798	\$4,746,147
Total Annual Costs	\$65,779,550	\$17,495,715

CSRs

	Total	Total (%)	Small entities	Small entities (%)
Parent Companies with CSR > 1%	12	25.00%	12	60%
Parent Companies with CSR > 3%	12	25.00%	12	60%
Parent Companies with CSR > 5%	10	20.83%	10	50%
Parent Companies with CSR > 10%	10	20.83%	10	50%
Parent Companies with CSR > 20%	6	12.50%	6	30%
Parent Companies with CSR > 50%	2	4.17%	2	10%

Facility-level costs

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Facility ID	Parent company	Owned by a small entity?	EO use (y/n)	Total costs			Permanent total enclosure			Additional gas/solid reactors			Cycle revalidations			Monitoring and testing			Recordkeeping and reporting		
				Total capital costs	Annualized capital costs	Annual O&M costs	Total annual costs	Total capital investment	Annualized capital costs	Annual O&M costs	Total annual costs	Total capital investment	Annualized capital costs	Annual O&M costs	Total annual costs	Total capital investment	Annualized capital costs	Annual O&M costs	Total annual costs	Annual O&M costs	One-time annual costs
1073211	Baxter International Inc.	No	205.2235	\$1,936,435	\$193,575	\$533,626	\$1,010,682	\$830,884	\$0	\$0	\$0	\$0	\$1,936,435	\$193,575	\$1,010,682	\$362,387	\$30,000	\$0	\$100,000	\$100,000	\$264,815
ACSA2	Owens & Minor, Inc.	No	1.454	\$680,729	\$68,073	\$20,682	\$49,959	\$0	\$0	\$0	\$0	\$0	\$2,765,435	\$27,654	\$41,616	\$69,269	\$40,000	\$60,155	\$127,224	\$78,728	\$132,611
STRYKER	Stryker Corporation	No	4.325	\$552,658	\$55,266	\$13,682	\$24,917	\$0	\$0	\$0	\$0	\$0	\$184,422	\$18,442	\$48,918	\$61,377	\$30,000	\$60,208	\$127,224	\$187,279	\$232,888
MICROVENTION	Terumo Corporation	No	0.0055	\$0	\$0	\$48,262	\$163,682	\$211,944	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$38,262
LSO	Life Science Outsourcing, Inc.	Yes	0.0244	\$0	\$0	\$68,811	\$133,682	\$202,493	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$58,811
PARTER	Parter Medical Products, Inc.	Yes	5.46	\$1,148,476	\$114,848	\$20,855	\$166,772	\$775,276	\$1,148,476	\$114,848	\$166,772	\$1,148,476	\$114,848	\$166,772	\$166,772	\$1,148,476	\$114,848	\$166,772	\$166,772	\$166,772	\$166,772
AMICA	Medtronic Public Limited Company	No	5.2825	\$0	\$0	\$143,786	\$143,786	\$1,188,177	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$78,177
BISTERGENCSLA	Sotera Health LLC	No	121.137	\$1,172,860	\$117,286	\$20,786	\$703,682	\$1,360,254	\$0	\$0	\$0	\$0	\$1,172,860	\$117,286	\$703,682	\$630,000	\$435,171	\$64,124	\$209,075	\$122,161	\$122,161
15717311	Blue Line Sterilization Services LLC	Yes	0.283	\$233,959	\$23,396	\$69,201	\$103,682	\$196,271	\$233,959	\$23,396	\$23,396	\$233,959	\$23,396	\$23,396	\$23,396	\$23,396	\$23,396	\$23,396	\$100,000	\$100,000	\$58,966
BISTERGENCSANTARIO	Sotera Health LLC	No	428.969	\$256,092	\$25,609	\$238,099	\$238,099	\$499,517	\$0	\$0	\$0	\$0	\$150,000	\$15,000	\$25,609	\$150,000	\$256,092	\$37,736	\$158,504	\$196,240	\$79,595
ACSCA	Owens & Minor, Inc.	No	2.5	\$435,171	\$43,517	\$64,124	\$107,637	\$357,537	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$43,517
AXCA	The Jackson Laboratory	No	0.036165	\$0	\$0	\$58,454	\$133,682	\$192,136	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$48,454
7125311	Steris Ltd.	No	209.4425	\$583,605	\$58,361	\$343,682	\$736,343	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$58,361
186811	Abbott Laboratories	No	1.03755	\$0	\$0	\$99,104	\$163,682	\$262,787	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$69,104
BISTERSTEMECULA	Steris Ltd.	No	81.4	\$435,171	\$43,517	\$187,046	\$316,272	\$557,442	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$43,517
1868611	Uvaviva PLC	No	0	\$92,211	\$9,221	\$133,537	\$202,682	\$216,437	\$0	\$0	\$0	\$0	\$92,211	\$9,221	\$44,777	\$53,994	\$30,000	\$0	\$100,000	\$100,000	\$58,760
20042411	Boulder BioMed, LLC	Yes	0.561875	\$1,376,607	\$137,661	\$73,441	\$103,682	\$134,736	\$1,376,607	\$137,661	\$134,736	\$1,376,607	\$137,661	\$134,736	\$134,736	\$1,376,607	\$137,661	\$134,736	\$134,736	\$134,736	\$134,736
1832911	Terumo Corporation	No	102.511	\$1,449,494	\$144,949	\$246,713	\$286,272	\$878,505	\$0	\$0	\$0	\$0	\$1,014,333	\$101,333	\$157,223	\$256,620	\$100,000	\$435,171	\$64,124	\$109,075	\$173,199
12847611	Jorgensen Laboratories, Inc.	Yes	0.021905	\$92,211	\$9,221	\$76,789	\$103,682	\$189,689	\$0	\$0	\$0	\$0	\$92,211	\$9,221	\$8,042	\$17,259	\$30,000	\$0	\$100,000	\$100,000	\$58,747
2707711	Medtronic Public Limited Company	No	\$1,340,244	\$134,024	\$13,402	\$20,682	\$49,959	\$0	\$0	\$0	\$0	\$0	\$2,674,124	\$26,741	\$53,592	\$82,931	\$40,000	\$60,155	\$127,224	\$78,728	\$132,611
18809411	Arthrex, Inc.	No	24.888	\$1,088,497	\$108,850	\$462,433	\$462,433	\$1,344,856	\$1,088,497	\$108,850	\$462,433	\$1,088,497	\$108,850	\$462,433	\$462,433	\$1,088,497	\$108,850	\$462,433	\$108,850	\$108,850	\$108,850
FORTMYERS	Owens & Minor, Inc.	No	0.864	\$467,448	\$46,745	\$121,396	\$103,682	\$376,219	\$0	\$0	\$0	\$0	\$184,422	\$18,442	\$72,951	\$91,387	\$30,000	\$283,026	\$41,705	\$80,456	\$122,161
12775411	Aso Corporation	Yes	50.19	\$1,172,648	\$117,265	\$378,545	\$333,682	\$809,451	\$250,537	\$25,054	\$25,054	\$250,537	\$25,054	\$25,054	\$25,054	\$250,537	\$25,054	\$25,054	\$100,000	\$100,000	\$130,821
4193211	Medtronic Public Limited Company	No	6.88	\$1,672,260	\$167,226	\$322,159	\$223,682	\$752,736	\$656,937	\$65,694	\$1,322	\$66,937	\$1,014,123	\$101,337	\$170,285	\$217,681	\$150,000	\$0	\$100,000	\$100,000	\$120,547
ACSTIMPLETERRACE	Owens & Minor, Inc.	No	8.819	\$592,368	\$59,237	\$20,126	\$421,399	\$0	\$0	\$0	\$0	\$0	\$18,442	\$1,844	\$27,862	\$91,296	\$30,000	\$408,216	\$60,155	\$97,124	\$167,279
1699811	Sotera Health LLC	No	146.428	\$375,317	\$37,532	\$192,997	\$406,772	\$650,192	\$0	\$0	\$0	\$0	\$92,211	\$9,221	\$44,777	\$53,994	\$30,000	\$283,026	\$41,705	\$80,456	\$122,161
4135911	Chatham Corporation	Yes	51.6165	\$85,966	\$8,597	\$246,158	\$346,272	\$678,426	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$85,966
2534011	Cardinal Health, Inc.	No	14.8035	\$973,436	\$97,344	\$91,468	\$103,682	\$292,460	\$973,436	\$97,344	\$292,460	\$973,436	\$97,344	\$292,460	\$292,460	\$973,436	\$97,344	\$292,460	\$100,000	\$100,000	\$58,913
2686511	Beckton, Dickinson and Company	No	163.1245	\$777,881	\$77,788	\$280,037	\$406,772	\$1,344,856	\$0	\$0	\$0	\$0	\$368,845	\$36,885	\$36,885	\$100,000	\$283,026	\$41,705	\$80,456	\$122,161	\$122,161
17953911	Beckton, Dickinson and Company	No	139.4325	\$1,053,714	\$105,371	\$232,646	\$436,272	\$930,598	\$0	\$0	\$0	\$0	\$645,478	\$64,548	\$28,464	\$146,998	\$30,000	\$408,216	\$60,155	\$97,124	\$167,279
ACSCA	Owens & Minor, Inc.	No	1.3908252	\$619,593	\$61,959	\$249,262	\$103,682	\$495,504	\$0	\$0	\$0	\$0	\$184,422	\$18,442	\$30,366	\$48,742	\$30,000	\$435,171	\$64,124	\$139,075	\$203,199
1840511	Medline Industries, Inc.	No	229.2	\$0	\$0	\$88,391	\$166,272	\$254,664	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$88,391
4553311	Cook Group Incorporated	No	30.125	\$988,211	\$145,616	\$443,448	\$276,772	\$815,337	\$0	\$0	\$0	\$0	\$150,000	\$15,000	\$25,609	\$150,000	\$988,211	\$145,616	\$272,740	\$418,357	\$107,708
1424511	DF World of Spices GmbH	Yes	113.025	\$1,172,860	\$117,286	\$389,911	\$736,343	\$1,144,035	\$0	\$0	\$0	\$0	\$737,689	\$73,769	\$152,045	\$225,392	\$435,171	\$64,124	\$109,075	\$173,199	\$272,740
1856611	Professional Control Sterilization, Inc.	Yes	22.516	\$2,203,860	\$220,386	\$313,917	\$283,682	\$817,509	\$1,373,964	\$137,348	\$4,539	\$141,887	\$829,901	\$82,991	\$88,774	\$171,735	\$210,000	\$0	\$100,000	\$100,000	\$120,604
FUCHS	DF World of Spices GmbH	No	10.5825	\$0	\$0	\$150,559	\$103,682	\$254,242	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$120,559
17953511	Elite Spine, Inc.	No	24.6	\$461,056	\$46,106	\$185,459	\$103,682	\$335,227	\$0	\$0	\$0	\$0	\$461,056	\$46,106	\$47,302	\$93,391	\$30,000	\$0	\$100,000	\$100,000	\$38,154
1697411	Elite Spine, Inc.	No	20.4995	\$461,056	\$46,106	\$185,459	\$103,682	\$335,227	\$0	\$0	\$0	\$0	\$461,056	\$46,106	\$47,302	\$93,391	\$30,000	\$0	\$100,000	\$100,000	\$38,154
1657011	Treco Sterile, Inc.	No	8.373	\$1,713,342	\$171,334	\$191,460	\$103,682	\$508,484	\$1,155,037	\$115,504	\$156,856	\$1,155,037	\$115,504	\$156,856	\$156,856	\$1,155,037	\$115,504	\$156,856	\$100,000	\$100,000	\$120,537
1712111	Boston Scientific Corporation	No	0.48355	\$2,467,471	\$246,741	\$121,139	\$159,682	\$664,893	\$2,184,445	\$218,367	\$9,831	\$228,199	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$228,199
6449011	Steris Ltd.	No	73.2005	\$988,438	\$119,431	\$375,506	\$676,272	\$1,171,210	\$0	\$0	\$0	\$0	\$553,267	\$55,327	\$157,389	\$212,696	\$600,000	\$435,171	\$64,124	\$109,075	\$173,199
185MDETRONCFRIDELEY	Medtronic Public Limited Company	No	0.1425	\$3,566,918	\$356,692	\$147,840	\$103,682	\$608,089	\$3,290,284	\$329,012	\$149,458	\$348,370	\$2,763,634	\$27,636	\$69,484	\$97,137	\$30,000	\$0	\$100,000	\$100,000	\$48,899
1703111	Medwest Sterilization Corporation	No	121.05605	\$4,900,117	\$490,012	\$643,821	\$2,617,040	\$0	\$0	\$0	\$0	\$0	\$1,542,139	\$154,214	\$193,193	\$158,944	\$196,240	\$283,026	\$41,705	\$80,456	\$122,161
ACSMO	Owens & Minor, Inc.	No	1.782	\$619,593	\$61,959	\$249,262	\$103,682	\$495,427	\$0	\$0	\$0	\$0	\$184,422	\$18,442	\$30,366	\$48,742	\$30,000	\$435,171	\$64,124	\$139,075	\$203,199
1746311	Sotera Health LLC	No	361.0535	\$993,781	\$111,479	\$235,695	\$376,272	\$723,446	\$0	\$0	\$0	\$0	\$737,689	\$73,769	\$152,045	\$225,392	\$435,171	\$64,124	\$109,075	\$173,199	\$272,740
ANSICI	Andersen Scientific Inc.	Yes	0.0475	\$0	\$0	\$68,735	\$103,682	\$172,417	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$58,735
16431311	Beckton, Dickinson and Company	No	40.03	\$276,844	\$27,684	\$279,440	\$103,682	\$443,448	\$0	\$0	\$0	\$0	\$276,844	\$27,684	\$100,118	\$127,772	\$30,000	\$0	\$100,000	\$100,000	\$79,422
FRAC	Tosque Medical Holdings, LLC	No	0.0294432	\$0	\$0	\$68,735	\$103,682	\$172,417	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$58,735
1738611	Cosmed Group, Inc.	Yes	10.4675	\$1,014,333	\$101,333	\$181,956	\$283,682	\$567,035	\$0	\$0	\$0	\$0	\$1,014,333	\$101,333	\$99,056	\$194,453	\$210,000	\$0	\$100,000	\$100,000	\$58,900
7647011	Eto Sterilization Inc.	Yes	21.93	\$4,979,404	\$497,765	\$439,453	\$103,682	\$1,040,900	\$0	\$0	\$0	\$0	\$4,979,404	\$497,765	\$280,661	\$778,426	\$420,000	\$785,908	\$115,806	\$210,218	\$326,024
6721211	Steris Ltd.	No	90.255	\$1,339,175	\$133,915	\$453,107	\$496,272	\$1,120,493	\$0	\$0	\$0	\$0	\$553,267	\$55,327	\$157,389	\$212,696	\$600,000	\$435,171	\$64,124	\$109,075	\$173,199
1752111	Sotera Health LLC	No	544.8485	\$1,339,175	\$133,915	\$453,107	\$496,272	\$1,120,493	\$0	\$0	\$0	\$0	\$553,267	\$55,327	\$157,389	\$212,696	\$600,000	\$435,171	\$64,124	\$109,075	\$173,199
1418911	Elite Spine, Inc.	No	1.8	\$461,056	\$46,106	\$185,459	\$103,682	\$335,227	\$0	\$0	\$0	\$0	\$461,056								

Facility-level costs

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[illegible]

Local agencies with commercial EtO sterilization facilities[\(Click here to return to ReadMe worksheet\)](#)*States and Territories*

State or Territory	EPA Region	No. of Facilities
AK	10	0
AL	4	0
AR	6	2
AS	9	0
AZ	9	3
CA	9	12
CO	8	4
CT	1	1
DC	3	0
DE	3	0
FL	4	5
GA	4	5
GU	9	0
HI	9	0
IA	7	1
ID	10	0
IL	5	1
IN	5	1
KS	7	0
KY	4	0
LA	6	0
MA	1	2
MD	3	4
ME	1	0
MI	5	0
MN	5	3
MO	7	2
MP	9	0
MS	4	0
MT	8	0
NC	4	2
ND	8	0
NE	7	1
NH	1	1
NJ	2	3
NM	6	1
NV	9	1
NY	2	2
OH	5	2
OK	6	1
OR	10	0
PA	3	3
PR	2	7
RI	1	1
SC	4	1
SD	8	1
TN	4	2
TT	9	0
TX	6	7
UT	8	2
VA	3	3
VI	2	0
VT	1	0
WA	10	0
WI	5	0
WV	3	1
WY	8	0

EPA Regions

EPA Region	No. of Facilities
1	5
2	12
3	11
4	15
5	7
6	11
7	4
8	7
9	16
10	0

**Table 1. Summary of Costs of the Proposed Standards
[2021 Dollars]**

Requirement	Total capital investment	Total annualized capital costs	Total annual operation and maintenance costs	Total annual cost
Permanent total enclosure	\$43,796,305	\$4,378,086	\$230,370	\$4,608,456
Additional gas/solid reactors	\$82,067,949	\$8,203,900	\$13,581,276	\$21,785,177
Cycle revalidations	\$0	\$0	\$13,050,000	\$13,050,000
Monitoring and testing	\$19,925,046	\$2,936,022	\$8,232,973	\$11,168,996
Recordkeeping and reporting	\$0	\$0	\$8,618,124	\$15,166,922
Total	\$145,789,300	\$15,518,008	\$43,712,744	\$65,779,550

One-time annual costs for reading the rule, developing record systems, and initial Title V permitting:

\$6,548,798

Capital/Startup and O&M Costs						
(A) Requirement	(B) Capital/Startup Costs for One Respondent	(C) Number of Respondents with Capital/Startup Costs	(D) Total Capital/ Startup Cost (B X C)	(E) Annualized Cost (O&M and Capital) for One Respondent	(F) Number of Respondents	(G) Total Annualized Cost, (E X F)
PTE DPM Montor	\$799	88	\$70,278	\$287	88	\$25,259
<i>Performance Testing</i>						
24-hr test runs	\$0	0	\$0	\$100,000	24	\$2,400,000
1-hr test runs	\$0	0	\$0	\$30,000	39	\$1,170,000
<i>CEMS</i>						
EtO	\$474,406	42	\$19,925,046	\$169,174	42	\$7,105,323
Total			\$19,995,324			\$10,700,582

Table 1 - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Second NESHAP O RTR - Year 1

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Non-Labor Costs Per Occurrence	(C) Number of Occurrences Per Respondent Per Year	(D) Technical Hours per Respondent Per Year (A X C)	(E) Number of Respondents Per Year	(F) Technical Hours per Year (D X E)	(G) Clerical Hours per Year (F X 0.1)	(H) Management Hours per Year (F X .05)	(I) Total Hours per Year (F + G + H)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Costs Per Year (B x C x E)	(L) Total Number of Responses per Year (C X E)	Footnotes
1. Title V Related Burden													
A. Initial Application	391	\$27,234	1	391	29	11,339	1,134	567	13,040	\$1,172,067	\$789,776	29	a
B. Periodic Review	43	\$0	1	43	0	0	0	0	0	\$0	\$0	0	a
2. Surveys and Studies	NA												
3. Reporting Requirements													
A. Read Rule	24	\$0	1	24	86	2,064	206	103	2,374	\$213,347	\$0	86	b
B. Required Activities													c
1. PTE: Monitoring and Certification													
a. DPM Capital Cost	2	\$799	1	2	29	58	6	3	67	\$5,995	\$23,160	29	
b. DPM Annualized Capital Cost	0	\$118	1	0	29	0	0	0	0	\$0	\$3,413	29	
c. DPM Annual O&M Cost	2	\$287	1	2	29	58	6	3	67	\$5,995	\$8,324	29	
d. Certification (Method 204)	12	\$0	1	12	29	348	35	17	400	\$35,971	\$0	29	
2. CEMS													
a. Capital/Startup Cost	456	\$474,406	1	456	14	6,384	638	6,146	13,168	\$1,208,074	\$6,641,682	14	d
b. Annualized Capital Cost	0	\$69,905	1	0	14	0	0	0	0	\$0	\$978,674	14	
c. Annual O&M Cost	1,540	\$169,174	1	1,540	14	21,560	2,156	1,078	24,794	\$2,228,571	\$2,368,441	14	d
3. Initial Performance Testing													
a. Initial Testing (24-hr test runs)	0	\$100,000	1	0	8	0	0	0	0	\$0	\$800,000	8	
b. Initial Testing (1-hr test runs)	0	\$30,000	1	0	13	0	0	0	0	\$0	\$390,000	13	
c. Repeat Testing (24-hr test runs)	0	\$100,000	1	0	2	0	0	0	0	\$0	\$160,000	1.6	e
d. Repeat Testing (1-hr test runs)	0	\$30,000	1	0	3	0	0	0	0	\$0	\$78,000	2.6	e
4. Continuous Compliance Testing													
a. Annual Testing (24-hr test runs)	0	\$100,000	1	0	0	0	0	0	0	\$0	\$0	0	
b. Annual Testing (1-hr test runs)	0	\$30,000	1	0	0	0	0	0	0	\$0	\$0	0	
c. Repeat Testing (24-hr test runs)	0	\$100,000	1	0	0	0	0	0	0	\$0	\$0	0	e
d. Repeat Testing (1-hr test runs)	0	\$30,000	1	0	0	0	0	0	0	\$0	\$0	0	e
5. Parametric Monitoring: No APCDs													
a. EIO Monitor Capital Cost and Installation Labor	2	\$0	1	2		0	0	0	0	\$0	\$0	0	
b. EIO Monitor Annualized Cost	0	\$0	1	0		0	0	0	0	\$0	\$0	0	
c. EIO Monitor O&M	2	\$0	1	2		0	0	0	0	\$0	\$0	0	
C. Create Information	Inc. in 3B												
D. Gather Information	Inc. in 3E												
E. Report Preparation													
1. Notification of performance test	2	\$0	1	2	21	42	4	2	48	\$4,144	\$0	21	
2. Submittal of site-specific test plan	Inc. in 3B												
3. Reports for performance tests	24	\$0	1	24	21	504	50	25	580	\$49,726	\$0	21	
4. Submittal of test results through CEDRI	0.25	\$0	1	0.25	21	5.25	1	0.3	6	\$518	\$0	21	
5. Reports for periods of noncompliance (including excess emissions)	14	\$0	2	28	2	56	6	3	64	\$5,525	\$0	4	
6. Summary Reports													h
a. Semiannual	930	\$0	2	1,860	15	27,900	2,790	1,395	32,085	\$2,752,709	\$0	30	
b. Quarterly	397	\$0	4	1,590	14	22,256	2,226	1,113	25,594	\$2,195,823	\$0	56	h
Reporting Subtotal						92,575	9,257	10,456	54,608	4,929,933	5,576,628	365	
4. Recordkeeping Requirements													
A. Read Instructions	Inc. in 3.A Inc. in 3.B and 4.C												
B. Implement Activities													
C. Develop Record System	20	\$0	1	20	87	1,740	174	87	2,001	\$171,672	\$0	NA	b
D. Record Information													c
1. Records of EIO use	0.6	\$0	12	7.2	43	307	31	15	353	\$30,309	\$0	NA	
2. Records of operating parameters and emissions	0.5	\$0	365	182.5	75	13,627	1,363	681	15,671	\$1,344,434	\$0	NA	
E. Personnel Training	16	\$0	1	16	87	1,392	139	70	1,601	\$137,338	\$0	NA	
F. Time for Audits	NA												
Recordkeeping Subtotal						17,066	1,707	853	19,626	\$1,683,753	\$0	0	
TOTAL						109,641	10,964	11,309	74,234	\$6,613,686	\$5,576,628	365.2	

						Total Hours	Labor	Non-Labor	Total
Summary of Respondent Burden						131,913	\$6,613,686	\$5,576,628	\$12,190,314
Initial Capital and Startup									\$10,225,773
Annualized Capital/Start-up and O & M									\$5,576,628

Footnotes:

- (a) Activity burden estimates based on Information Collection Request for Part 70 Operating Permit Regulations, April 2019, EPA ICR Number 1587.14. Non-Labor Costs represent permit application and emissions fees based on burden to permitting authorities (calculated in tab "EPA_YR") which must, by law, be passed on to sources to fully offset all permit management costs
- (b) This are one-time costs (reading rule, developing record system) assumed to occur in the first year.
- (c) Assumed that one-third of facilities will begin complying in year 2 and the remaining two-thirds of the facilities in year 3.
- (d) CEMS related costs are derived from the EPA CEMS Cost Model, accessible at <https://www.epa.gov/emc/emc-continuous-emission-monitoring-systems>. The CEMS Cost Model assess labor hours based upon Corporate Environmental Engineer and Plant Technician hours, which are reported here as "Management" and "Technical" hours respectively. The Capital/Startup Cost is inclusive of pre-installation costs (planning, selection of equipment, support facilities, purchase of hardware), installation, performance specification tests, and development of a QA/QC plan. The Annual O&M cost is inclusive of daily monitoring, annual RATA, quarterly CGA, recordkeeping & reporting, and annual QA/QC review and updates.
- (e) ***
- (f) It is estimated that 2 new facilities will become subject during the next three years and be required to meet initial notification requirements. It was assumed these facilities will be constructed in Year 1.
- (g) Pursuant to 40 CFR 63.6(i)(4)(i)(c) the owner or operator of an affected facility may submit a compliance extension request. It was estimated that 5% of facilities will submit a request, and assumed these requests occur during Year 3
- (h) It is estimated that 29 facilities will submit summary reports on a quarterly basis, while the remaining 56 submit on a semiannual basis. The burden associated with general facility information summary reports (e.g., EIO usage, operating hours) is assessed in lines 3.E.2.g and h, while sub-rows a through f assess the burden for monitoring system performance reports for each control device.

Table 2 - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Second NESHAP O RTR - Year 2

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Non-Labor Costs Per Occurrence	(C) Number of Occurrences Per Respondent Per Year	(D) Technical Hours per Respondent Per Year (A X C)	(E) Number of Respondents Per Year	(F) Technical Hours per Respondent (D X E)	(G) Clerical Hours per Respondent (F X 0.1)	(H) Management Hours per Respondent (F X .05)	(I) Total Hours per Year (F + G + H)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Costs Per Year (B X C X E)	(L) Total Number of Responses per Year (C X E)	Footnotes
1. Title V Related Burden													
A. Initial Application	391	\$27,234	1	391	59	23069	2307	1153	26529	\$2,384,550	\$1,606,787	59	a
B. Periodic Review	43	\$1,847	1	43	29	1248	125	62	1435	\$129,017	\$53,552	29	a
2. Surveys and Studies													
3. Reporting Requirements													
A. Read Rule	24	\$0	1	24	0	0	0	0	0	\$0	\$0	0	b
B. Required Activities													c
1. PTE: Monitoring and Certification													
a. DPM Capital Cost	2	\$799	1	2	59	118	12	6	136	\$12,197	\$47,118	59	
b. DPM Annualized Capital Cost	0	\$118	1	0	59	0	0	0	0	\$0	\$6,943	59	
c. DPM Annual O&M Cost	2	\$267	1	2	88	176	18	9	202	\$18,192	\$25,259	88	
d. Certification (Method 204)	12	\$0	1	12	59	708	71	35	814	\$73,183	\$0	59	
2. CEMS													
a. Capital/Startup Cost	456	\$474,406	1	456	28	12,768	1,277	12,292	26,337	\$2,416,148	\$13,283,364	28	e
b. Annualized Capital Cost	0	\$69,905	1	0	28	0	0	0	0	\$0	\$1,957,348	28	
c. Annual O&M Cost	1,540	\$169,174	1	1,540	42	64,680	6,468	3,234	74,382	\$6,685,713	\$7,105,323	42	e
3. Initial Performance Testing													
a. Initial Testing (24-hr test runs)	0	\$100,000	1	0	16	0	0	0	0	\$0	\$1,600,000	16	
b. Initial Testing (1-hr test runs)	0	\$30,000	1	0	26	0	0	0	0	\$0	\$780,000	26	
4. Continuous Compliance Testing													
a. Annual Testing (24-hr test runs)	0	\$100,000	1	0	8	0	0	0	0	\$0	\$800,000	8	d
b. Annual Testing (1-hr test runs)	0	\$30,000	1	0	13	0	0	0	0	\$0	\$390,000	13	d
5. Parametric monitoring for uncontrolled systems													
b. ETO Monitor Capital Cost (G1RAE)	2	\$1,726	1	2	2	4	0	0	5	\$413	\$3,453	2	
c. ETO Monitor Annualized Capital Cost (G1RAE)	0	\$259	1	0	2	0	0	0	0	\$0	\$518	2	
d. ETO Monitor Annual O&M Cost (G1RAE)	2	\$173	1	2	2	4	0	0	5	\$413	\$345	2	
e. ETO Monitor Capital Cost (G2RAE)	2		1	2	0	0	0	0	0	\$0	\$0	0	
f. ETO Monitor Annualized Capital Cost (G2RAE)	0		1	0	0	0	0	0	0	\$0	\$0	0	
g. ETO Monitor Annual O&M Cost (G2RAE)	2		1	2	0	0	0	0	0	\$0	\$0	0	
C. Create Information	Inc. in 3B												
D. Gather Information	Inc. in 3E												
E. Report Preparation	0												
1. Notification of compliance status	8	\$0	1	8	0	0	0	0	0	\$0	\$0	NA	f
2. Periodic Reports													c
a. Notification of performance test	2	\$0	1	2	63	126	13	6	145	\$13,024	\$0	63	
b. Submittal of site-specific test plan	2	\$0	1	2	63	126	13	6	145	\$13,024	\$0	63	
c. Reports for performance tests	24	\$0	1	24	63	1512	151	76	1739	\$156,289	\$0	63	
d. Submittal of test results through CEDRI	0.25	\$0	1	0	117	29	3	1	34	\$3,023	\$0	117	
e. Reports for periods of noncompliance (including excess emissions)	14	\$0	2	28	5	140	14	7	161	\$14,471	\$0	10	
f. Summary Reports (Semiannual)	2.5	\$0	2	5	15	75	8	4	86	\$7,752	\$0	30	h
g. Summary Reports (Quarterly)	2.5	\$0	4	10	14	140	14	7	161	\$14,471	\$0	56	h
Reporting Subtotal	0					104,923	10,492	16,900	132,068	11,919,657	14,326,074	836	
4. Recordkeeping Requirements													
A. Read Instructions	Inc. in 3 A												
B. Implement Activities	Inc. in 3 B and 4 C												
C. Develop Record System	20	\$0	1	20	1	20	2	1	23	\$2,067	\$0	NA	b
D. Record information													c
1. Records of EIO use	0.6	\$0	12	7	89	641	64	32	737	\$66,237	\$0	NA	
2. Records of operating parameters and emissions	0.5	\$0	365	183	89	16,243	1,624	812	18,679	\$1,678,922	\$0	NA	
E. Personnel Training	16	\$0	1	16	1	16	2	1	18	\$1,654	\$0	NA	
F. Time for Audits	NA												
Recordkeeping Subtotal						16,919	1,692	846	19,457	\$1,748,880	\$0	0	
TOTAL						121,843	12,184	17,746	151,525	\$13,668,537	\$14,326,074	836	

Summary of Respondent Burden	Total Hours	Labor	Non-Labor	Total
	151,773	#####	\$14,326,074	\$27,994,611
Initial Capital and Startup				\$19,756,096
Annualized Capital/Startup and O & M				\$14,326,074

Footnotes:

- (a) Activity burden estimates based on Information Collection Request for Part 70 Operating Permit Regulations, April 2019, EPA ICR Number 1587.14. Non-Labor Costs represent permit application and emissions fees based on burden to permitting authorities (calculated in tab "EPA_YR") which must, by law, be passed on to sources to fully offset all permit management costs
- (b) This are one-time costs (reading rule, developing record system) assumed to occur in the first year.
- (c) Assumed that one-third of facilities will begin complying in year 2 and the remaining two-thirds of the facilities in year 3.
- (d) Facilities >5,000 ft from the nearest residence or between 250 and 5,000 ft while using less than 15 TPY of EIO and performing stack testing to show continuous compliance are only required to test once every three years. Annual testing is required for all other sources. Annual testing for Year 3 is calculated as the portion of these facilities that come into compliance in Year 2.
- (e) CEMS related costs are derived from the EPA CEMS Cost Model, accessible at <https://www.epa.gov/emc/emc-continuous-emission-monitoring-systems>. The CEMS Cost Model assess labor hours based upon Corporate Environmental Engineer and Plant Technician hours, which are reported here as "Management" and "Technical" hours respectively. The Capital/Startup Cost is inclusive of pre-installation costs (planning, selection of equipment, support facilities, purchase of hardware), installation, performance specification tests, and development of a QA/QC plan. The Annual O&M cost is inclusive of daily monitoring, annual RATA, quarterly CGA, recordkeeping & reporting, and annual QA/QC review and updates.
- (f) It is estimated that 2 new facilities will become subject during the next three years and be required to meet initial notification requirements. It was assumed these facilities will be constructed in Year 1.
- (g) Pursuant to 40 CFR 63.6(i)(4)(i)(c) the owner or operator of an affected facility may submit a compliance extension request. It was estimated that 5% of facilities will submit a request, and assumed these requests occur during Year 3
- (h) It is estimated that 29 facilities will submit summary reports on a quarterly basis, while the remaining 56 submit on a semiannual basis. The burden associated with general facility information summary reports (e.g., ETO usage, operating hours) is assessed in lines 3.E.2.g and h, while sub-rows a through f assess the burden for monitoring system performance reports for each control device.

Table 3 - Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the Second NESHAP O RTR - Year 3

Burden Item	(A) Respondent Hours per Occurrence (Technical hours)	(B) Non-Labor Costs Per Occurrence	(C) Number of Occurrences Per Respondent Per Year	(D) Technical Hours per Respondent Per Year (A X C)	(E) Number of Respondents Per Year	(F) Technical Hours per Year (D X E)	(G) Clerical Hours per Year (F X 0.1)	(H) Management Hours per Year (F X .05)	(I) Total Hours per Year (F + G + H)	(J) Total Labor Costs Per Year	(K) Total Non- Labor Costs Per Year (B x C x E)	(L) Total Number of Responses per Year (C X E)	Footnotes
1. Title V Related Burden													a
A. Initial Application	391	\$0	1	391	0	0	0	0	0	\$0	\$0	0	
B. Periodic Review	43	\$1,847	1	43	88	3,788	379	189	4,356	\$391,501	\$162,501	88	
2. Surveys and Studies	NA												
3. Reporting Requirements													
A. Read Rule	24	\$0	1	24	0	0	0	0	0	\$0	\$0	0	b
B. Required Activities													c
1. PTE: Monitoring and Certification													
a. DPM Capital Cost	2	\$799	1	2	0	0	0	0	0	\$0	\$0	0	
b. DPM Annualized Capital Cost	0	\$118	1	0	0	0	0	0	0	\$0	\$0	0	
c. DPM Annual O&M Cost	2	\$287	1	2	88	176	18	9	202	\$18,192	\$25,259	88	
d. Certification (Method 204)	12	\$0	1	12	0	0	0	0	0	\$0	0	0	
2. CEMS													
a. Capital/Startup Cost	456	\$474,406	1	456	0	0	0	0	0	\$0	\$0	0	e
b. Annualized Capital Cost	0	\$69,905	1	0	0	0	0	0	0	\$0	\$0	0	
c. Annual O&M Cost	1,540	\$169,174	1	1,540	42	64,680	6,468	3,234	74,382	\$6,685,713	\$7,105,323	42	e
3. Initial Performance Testing													
a. Initial Testing (24-hr test runs)	0	\$100,000	1	0	0	0	0	0	0	\$0	\$0	0	
b. Initial Testing (1-hr test runs)	0	\$30,000	1	0	0	0	0	0	0	\$0	\$0	0	
4. Continuous Compliance Testing													
a. Annual Testing (24-hr test runs)	0	\$100,000	1	0	24	0	0	0	0	\$0	\$2,400,000	24	d
b. Annual Testing (1-hr test runs)	0	\$30,000	1	0	39	0	0	0	0	\$0	\$1,170,000	39	d
5. Monitoring for Areas with No APCD													
b. ETO Monitor Capital Cost and Installation Labor	2	\$1,726	1	2	3	6	1	0	7	\$620	\$5,179	3	
c. ETO Monitor Annualized Cost	0	\$259	1	0	5	0	0	0	0	\$0	\$1,294	5	
d. ETO Monitor O&M	2	\$173	1	2	5	10	1	1	12	\$1,034	\$863	5	
C. Create Information	Inc. in 3B												
D. Gather Information	Inc. in 3E												
E. Report Preparation													
1. Notification of compliance status	8	\$0	1	8	0	0	0	0	0	\$0	\$0	0	f
2. Periodic Reports													c
a. Notification of performance test	2	\$0	1	2	88	176	18	9	202	\$18,192	\$0	88	
b. Submittal of site-specific test plan	2	\$0	1	2	88	176	18	9	202	\$18,192	\$0	88	
c. Reports for performance tests	24	\$0	1	24	88	2112	211	106	2429	\$218,309	\$0	88	
d. Submittal of test results through CEDRI	0.25	\$0	1	0	413	103	10	5	119	\$10,673	\$0	413	
e. Reports for periods of noncompliance (including excess emissions)	14	\$0	2	28	5	140	14	7	161	\$14,471	\$0	10	
f. Summary Reports (Semiannual)	1	\$0	2	2	45	90	9	5	104	\$9,303	\$0	90	h
g. Summary Reports (Quarterly)	1	\$0	4	4	43	172	17	9	198	\$17,779	\$0	172	h
Reporting Subtotal						71,629	7,163	3,581	82,072	7,376,897	10,865,241	981	
4. Recordkeeping Requirements													
A. Read Instructions	Inc. in 3.A												
B. Implement Activities	Inc. in 3.B and 4.C												
C. Develop Record System	20	\$0	1	20	0	0	0	0	0	\$0	\$0	NA	b
D. Record Information													c
1. Records of ETO use	0.6	\$0	12	7	89	641	64	32	737	\$66,237	\$0	NA	
2. Records of operating parameters and emissions	0.5	\$0	365	182.5	89	16,243	1,624	812	18,679	\$1,678,922	\$0	NA	
E. Personnel Training	16	\$0	1	16	0	0	0	0	0	\$0	\$0	NA	
F. Time for Audits	NA												
Recordkeeping Subtotal						16,883	1,688	844	19,416	\$1,745,159	\$0	0	
TOTAL						88,512	8,851	4,426	101,488	\$9,122,056	\$10,865,241	981	
Summary of Respondent Burden									Total Hours 101,789	Labor \$9,122,056	Non-Labor \$10,865,241	Total \$19,987,297	
Initial Capital and Startup											\$5,799		
Annualized Capital/Start-up and O & M											\$10,865,241		

Footnotes:

- (a) Activity burden estimates based on Information Collection Request for Part 70 Operating Permit Regulations, April 2019, EPA ICR Number 1587.14. Non-Labor Costs represent permit application and emissions fees based on burden to permitting authorities (calculated in tab "EPA_YR") which must, by law, be passed on to sources to fully offset all permit management costs
- (b) This are one-time costs (reading rule, developing record system) assumed to occur in the first year.
- (c) Assumed that one-third of facilities will begin complying in year 2 and the remaining two-thirds of the facilities in year 3.
- (d) Facilities >5,000 ft from the nearest residence or between 250 and 5,000 ft while using less than 15 TPY of ETO and performing stack testing to show continuous compliance are only required to test once every three years. Annual testing is required for all other sources. Annual testing for Year 3 is calculated as the portion of these facilities that come into compliance in Year 2.

- (e) CEMS related costs are derived from the EPA CEMS Cost Model, accessible at <https://www.epa.gov/emc/emc-continuous-emission-monitoring-systems>. The CEMS Cost Model assess labor hours based upon Corporate Environmental Engineer and Plant Technician hours, which are reported here as "Management" and "Technical" hours respectively. The Capital/Startup Cost is inclusive of pre-installation costs (planning, selection of equipment, support facilities, purchase of hardware), installation, performance specification tests, and development of a QA/QC plan. The Annual O&M cost is inclusive of daily monitoring, annual RATA, quarterly CGA, recordkeeping & reporting, and annual QA/QC review and updates.
- (f) It is estimated that 2 new facilities will become subject during the next three years and be required to meet initial notification requirements. It was assumed these facilities will be constructed in Year 1.
- (g) Pursuant to 40 CFR 63.6(i)(4)(i)(c) the owner or operator of an affected facility may submit a compliance extension request. It was estimated that 5% of facilities will submit a request, and assumed these requests occur during Year 3
- (h) It is estimated that 29 facilities will submit summary reports on a quarterly basis, while the remaining 56 submit on a semiannual basis. The burden associated with general facility information summary reports (e.g., ETO usage, operating hours) is assessed in lines 3.E.2.g and h, while sub-rows a through f assess the burden for monitoring system performance reports for each control device.

Table 4 - Summary of Annual Respondent Burden and Cost of Recordkeeping and Reporting Requirements for the EtO RTR

Year	Technical Hours	Clerical Hours	Management Hours	Total Labor Hours	Labor Costs	Non-Labor (Annualized Capital/Startup and O&M) Costs	Total Costs
1	38,818	3,882	1,941	44,641	\$4,063,391	\$2,260,217	\$6,323,608
2	56,461	1,654	12,627	70,742	\$5,311,579	\$3,254,492	\$8,566,071
3	117,869	4,003	25,011	146,883	\$11,343,759	\$8,093,399	\$19,437,158
Total	213,148	9,538	39,579	262,266	\$20,718,729	\$13,608,108	\$34,326,837
Average	71,049	3,179	13,193	87,422	\$6,906,243	\$4,536,036	\$11,442,279
Year	Number of Respondents	Number of Responses	Reporting Hours	Recordkeeping Hours	Total Hours	Hours per Response	Hours Per Respondent
1	86	96	41,080	3,560	44,641	465	519
2	86	254	59,164	11,578	70,742	279	823
3	86	728	112,394	34,489	146,883	202	1,708
Total	86	1,078	212,638	49,628	262,266	243	3,050
Average	86	359	70,879	16,543	87,422	243	1,017

Table 5 - Annual Agency Burden and Cost of Recordkeeping and Reporting Requirements for the Second NESHAP O RTR - Year 1

Burden Item	(A) Number of Occurrences Per Year	(B) Technical Hours Per Occurrence	(C) Tech Hours Per Year (C=A x B)	(D) Management Hours Per Year (D = C x 0.05)	(E) Clerical Hours Per Year (E = C x 0.1)	(F) Total Hours Per Year (C+D+E)	(G) Total Cost Per Year	Footnotes
1 Title V Related Burden								
A. Permitting Authority								
1. Initial Application	29	474	13746	687	1375	15808	\$789,776	a
2. Periodic Review	0	32	0	0	0	0	\$0	a
B. EPA								
1. Initial Application	29	7	203	10	20	233	\$11,663	a
2. Periodic Review	0	2	0	0	0	0	\$0	a
2. Read and Understand Rule Requirements	42	24	1008	50	101	1159	\$57,915	b
3. Required Activities								
A. Observe stack tests and review reports	21	16	336	17	34	386	\$19,305	
B. Excess emissions -- Enforcement Activities	2	24	48	2	5	55	\$2,758	
C. Create Information				not applicable				
D. Gather Information				not applicable				
E. Report Reviews								
1. Review notification of compliance status	2	2	4	0	0	5	\$230	
2. Review compliance extension request	0	24	0	0	0	0	\$0	
3. Review notification of performance test	0	2	0	0	0	0	\$0	
4. Review site-specific test plan	0	4	0	0	0	0	\$0	
5. Review summary reports	14	2	28	1	3	32	\$1,609	
6. Review RATA reports	0	1	0	0	0	0	\$0	
4. Travel expenses: (1 person * 5 days * (\$94.00 + \$55) per day) + (\$600 per round trip) =				\$1,345	per trip		\$28,245	c
TOTAL			15373	769	1537	17679	\$911,501	

Footnotes:

- ^a Activity burden estimates based on Information Collection Request for Part 70 Operating Permit Regulations, April 2019, EPA ICR Number 1587.14. Costs attributable to management of an operating permit program by a permitting authority must, by law, be passed on to respondents. These costs are incorporated as Non-Labor Costs in the associated calculations in tabs "YR1" through "YR3". As the true financial burden is 0 for these activities, the line item is not included in the "Total" summation.
- ^b Number of occurrences is the number of states and EPA Regions with affected sources (33 states + 9 EPA regions = 42 respondents).
- ^c Based on FY2019 federal per-diem rates of \$94.00/night for lodging and \$55.00/day for meals

Table 6 - Annual Agency Burden and Cost of Recordkeeping and Reporting Requirements for the Second NESHAP O RTR - Year 2

Burden Item	(A) Number of Occurrences Per Year	(B) Technical Hours Per Occurrence	(C) Tech Hours Per Year (C=A x B)	(D) Management Hours Per Year (D = C x 0.05)	(E) Clerical Hours Per Year (E = C x 0.1)	(F) Total Hours Per Year (C+D+E)	(G) Total Cost Per Year	Footnotes
1 Title V Related Burden								
A. Permitting Authority								
1. Initial Application	59	474	27966	1398	2797	32161	\$1,606,787	a
2. Periodic Review	29	32	932	47	93	1072	\$53,552	a
B. EPA								
1. Initial Application	59	7	413	21	41	475	\$23,729	a
2. Periodic Review	29	2	49	2	5	56	\$2,788	a
2. Read and Understand Rule Requirements	0	24	0	0	0	0	\$0	
3. Required Activities								
A. Observe stack tests and review reports	63	16	1008	50	101	1159	\$57,915	
B. Excess emissions -- Enforcement Activities	5	24	120	6	12	138	\$6,895	
C. Create Information				not applicable				
D. Gather Information				not applicable				
E. Report Reviews								
1. Review notification of compliance status	0	2	0	0	0	0	\$0	
2. Review compliance extension request	0	24	0	0	0	0	\$0	
3. Review notification of performance test	28	2	56	3	6	64	\$3,217	
4. Review site-specific test plan	28	4	112	6	11	129	\$6,435	
5. Review summary reports	29	2	58	3	6	67	\$3,332	
6. Review RATA reports	54	1	54	3	5	62	\$3,103	
4. Travel expenses: (1 person * 5 days * (\$94.00 + \$55) per day) + (\$600 per round trip) =				\$1,345	per trip		\$84,735	b
TOTAL			30768	1538	3077	35383	\$1,852,487	

Footnotes:

^a Activity burden estimates based on Information Collection Request for Part 70 Operating Permit Regulations, April 2019, EPA ICR Number 1587.14. Costs attributable to management of an operating permit program by a permitting authority must, by law, be passed on to respondents. These costs are incorporated as Non-Labor Costs in the associated calculations in tabs "YR1" through "YR3". As the true financial burden is 0 for these activities, the line item is not included in the "Total" summation.

^b Based on FY2019 federal per-diem rates of \$94.00/night for lodging and \$55.00/day for meals

Table 7 - Annual Agency Burden and Cost of Recordkeeping and Reporting Requirements for the Second NESHAP O RTR - Year 3

Burden Item	(A) Number of Occurrences Per Year	(B) Technical Hours Per Occurrence	(C) Tech Hours Per Year (C=A x B)	(D) Management Hours Per Year (D = C x 0.05)	(E) Clerical Hours Per Year (E = C x 0.1)	(F) Total Hours Per Year (C+D+E)	(G) Total Cost Per Year	Footnotes
1 Title V Related Burden								
A. Permitting Authority								
1. Initial Application	0	474	0	0	0	0	\$0	a
2. Periodic Review	88	32	2828	141	283	3253	\$162,501	a
B. EPA								
1. Initial Application	0	7	0	0	0	0	\$0	a
2. Periodic Review	88	2	147	7	15	169	\$8,461	a
2. Read and Understand Rule Requirements	0	24	0	0	0	0	\$0	
3. Required Activities								
A. Observe stack tests and review reports	63	16	1008	50	101	1159	\$57,915	
B. Excess emissions -- Enforcement Activities	5	24	120	6	12	138	\$6,895	
C. Create Information				not applicable				
D. Gather Information				not applicable				
E. Report Reviews								
1. Review notification of compliance status	0	2	0	0	0	0	\$0	
2. Review compliance extension request	4	24	96	5	10	110	\$5,516	
3. Review notification of performance test	70	2	140	7	14	161	\$8,044	
4. Review site-specific test plan	70	4	280	14	28	322	\$16,087	
5. Review summary reports	86	2	172	9	17	198	\$9,882	
6. Review RATA reports	162	1	162	8	16	186	\$9,308	
4. Travel expenses: (1 person * 5 days * (\$94.00 + \$55) per day) + (\$600 per round trip) =				\$1,345	per trip		\$84,735	b
TOTAL			4954	248	495	5697	\$369,343	

Footnotes:

^a Activity burden estimates based on Information Collection Request for Part 70 Operating Permit Regulations, April 2019, EPA ICR Number 1587.14. Costs attributable to management of an operating permit program by a permitting authority must, by law, be passed on to respondents. These costs are incorporated as Non-Labor Costs in the associated calculations in tabs "YR1" through "YR3". As the true financial burden is 0 for these activities, the line item is not included in the "Total" summation.

^b Based on FY2019 federal per-diem rates of \$94.00/night for lodging and \$55.00/day for meals

**Table 8 - Summary of Annual Agency Burden and Cost of Recordkeeping and Reporting
Requirements for the Second NESHAP O RTR**

Year	Technical Hours	Management Hours	Clerical Hours	Total Hours	Labor Costs	Non-Labor Costs	Total Costs
1	15,373	769	1,537	17,679	\$911,501	\$0	\$911,501
2	30,768	1,538	3,077	35,383	\$1,852,487	\$0	\$1,852,487
3	4,954	248	495	5,697	\$369,343	\$0	\$369,343
Total	51,094	2,555	5,109	58,758	\$3,133,331	\$0	\$3,133,331
Average	17,031	852	1,703	19,586	\$1,044,444	\$0	\$1,044,444

PTE costs[\(Click here to return to ReadMe worksheet\)](#)

Cost		Options				
Facility ID	PTE capital cost	PTE annual O&M cost	Additonal flow needed, option 1 (cfs)	Additonal flow needed, option 2 (cfs)	Additonal flow needed, option 3 (cfs)	Additonal flow needed (cfs)
ACSAZ	\$0	\$0	0	0	67	0
MICROVENTION	\$0	\$0	0	0	249	0
LSO	\$0	\$0	0	0	272	0
PARTER	\$1,758,915	\$6,851	225	497	497	225
AMRCA	\$4,021,862	\$27,190	891	891	2,148	891
15717311	\$233,959	\$237	8	8	24	8
ACSCA	\$0	\$0	0	0	199	0
186811	\$0	\$0	0	0	61	0
3868611	\$0	\$0	0	0	37	0
20042411	\$1,376,607	\$4,554	149	361	361	149
3832911	\$0	\$0	0	0	176	0
2707711	\$0	\$0	0	0	1,670	0
18809411	\$1,981,963	\$8,360	274	401	401	274
FORTMYERS	\$0	\$0	0	0	628	0
12775411	\$250,537	\$266	9	9	9	9
4359211	\$656,937	\$1,327	43	43	584	43
ACSTEMPLETERRACE	\$0	\$0	0	0	1,181	0
2534011	\$973,436	\$2,556	84	84	84	84
ACSIA	\$0	\$0	0	0	251	0
8155611	\$1,373,964	\$4,539	149	332	332	149
6572011	\$1,515,637	\$5,346	175	175	427	175
7172111	\$2,184,445	\$9,831	322	322	341	322
EISMEDTRONICFRIDLEY	\$3,290,284	\$19,458	638	638	2,740	638
ACSMO	\$0	\$0	0	0	96	0
ANSCI	\$0	\$0	0	0	160	0
JPAC	\$0	\$0	0	0	314	0
7518611	\$0	\$0	0	0	333	0
7647011	\$0	\$0	0	1,781	1,781	0
5148911	\$0	\$0	0	0	547	0
LIS	\$0	\$0	0	0	187	0
ACSOH	\$2,154,554	\$9,608	315	315	3,229	315
1047511	\$981,750	\$2,592	85	85	188	85
14657611	\$1,383,465	\$4,592	150	150	150	150
ACSPA	\$1,037,628	\$2,843	93	93	869	93
6982311	\$1,276,095	\$4,013	132	481	481	132
17622611	\$0	\$0	0	0	1,033	0
18934511	\$0	\$0	0	0	766	0
CUSTOMED	\$292,884	\$345	11	11	106	11
MPROCJUNCOS	\$2,093,626	\$9,159	300	300	1,255	300
15515811	\$1,130,624	\$3,280	107	156	156	107
MPROCVILLALBA	\$1,811,582	\$7,197	236	236	1,013	236
5047611	\$6,947,268	\$67,618	2,216	2,216	2,216	2,216
3082511	\$0	\$0	0	2,892	2,892	0
CVHN	\$0	\$0	0	0	434	0
17953611	\$1,286,753	\$4,069	133	833	833	133
LNHBAYSIDE	\$0	\$0	0	0	388	0
NAMSA	\$3,781,528	\$24,537	804	804	804	804

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Cycle revalidation costs

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Facility ID	Cycle revalidation cost	No. of cycles	EtO use (tpy)
1073211	\$30,000	1	205
ACSAZ	\$30,000	1	1.5
STRYKER	\$60,000	2	4.3
MICROVENTION	\$90,000	3	5.5E-03
LSO	\$60,000	2	2.2E-02
PARTER	\$90,000	3	5.5
AMRCA	\$60,000	2	5.3
EISSTERIGENICSLA	\$630,000	21	121
15717311	\$30,000	1	0.28
EISSTERIGENICSONTARIO	\$150,000	5	429
ACSCA	\$30,000	1	2.5
JAXCA	\$60,000	2	3.6E-02
7125311	\$270,000	9	209
186811	\$90,000	3	1.0
EISSTERISTEMECULA	\$240,000	8	81
3868611	\$30,000	1	0E+00
20042411	\$30,000	1	6E-01
3832911	\$210,000	7	103
12847611	\$30,000	1	2.2E-02
2707711	\$240,000	8	8.0
18809411	\$390,000	13	25
FORTMYERS	\$30,000	1	0.86
12775411	\$240,000	8	50
4359211	\$150,000	5	6.7
ACSTEMPLETERRACE	\$30,000	1	0.82
3699811	\$330,000	11	146
4315911	\$270,000	9	52
2534011	\$30,000	1	15
2686511	\$360,000	12	163
17953911	\$360,000	12	139
ACSLA	\$30,000	1	1.4
8140511	\$90,000	3	229
4553311	\$150,000	5	30
8142611	\$630,000	21	113
8155611	\$210,000	7	23
FUCHS	\$30,000	1	11
17953511	\$30,000	1	25
5997411	\$30,000	1	20
6572011	\$30,000	1	8.4
7172111	\$120,000	4	0.48
6449011	\$600,000	20	73
EISMEDTRONICFRIDLEY	\$30,000	1	0.14
7703311	\$570,000	19	251
ACSMO	\$30,000	1	1.8
7746311	\$300,000	10	361
ANSCI	\$30,000	1	4.8E-02
16431311	\$30,000	1	40
JPAC	\$60,000	2	0.10
7518611	\$210,000	7	10
7647011	\$30,000	1	22
6721211	\$420,000	14	90
7582111	\$180,000	6	545
5148911	\$30,000	1	3.8
LIS	\$30,000	1	10
8409411	\$630,000	21	189
ACSOH	\$30,000	1	2.0
1047511	\$150,000	5	14
14657611	\$180,000	6	60
3765611	\$210,000	7	31
ACSPA	\$30,000	1	0.43
6982311	\$120,000	4	44
17622611	\$60,000	2	1.8
18934511	\$30,000	1	1.7
CUSTOMED	\$150,000	5	4.3
MPROCIUNCOS	\$30,000	1	0.46
15515811	\$60,000	2	44
MPROCVILLALBA	\$60,000	2	1.9
6560811	\$60,000	2	97
6640211	\$210,000	7	92
2845011	\$210,000	7	73
3082511	\$180,000	6	133
STERITEC	\$90,000	3	54
DYNATEC	\$30,000	1	4.1E-03
3049411	\$630,000	21	446
6888911	\$120,000	4	239
9132811	\$210,000	7	299
9061511	\$120,000	4	630
6755311	\$30,000	1	44
7307111	\$630,000	21	150
7697511	\$30,000	1	77
CVHN	\$60,000	2	2.8E-03
17953611	\$90,000	3	210
LNHBAYSIDE	\$30,000	1	0.18
ALCON	\$30,000	1	3.9

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Stack Emission Release Parameters

Facility ID	Emission Release Point ID	APCD/Control Status	Dry scrubber present?	No. of wet scrubbers	No. of catalytic oxidizers	No. of thermal oxidizers	No. of GSRs	No. of APCDs
1073211	SN-101C	Catalytic oxidizer	No	0	1	0	0	1
1073211	SN-116	(Multiple)	No	0	1	1	0	2
1073211	SN-117	(Multiple)	No	0	1	1	0	2
ACSAZ	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSAZ	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSAZ	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSAZ	SRV	(Uncontrolled)	No	0	0	0	0	0
ACSAZ	IRV	(Uncontrolled)	No	0	0	0	0	0
STRYKER	EF14	(Multiple)	Yes	1	0	0	1	2
STRYKER	EF12	Dry scrubber	Yes	0	0	0	1	1
STRYKER	EXH13	(Uncontrolled)	No	0	0	0	0	0
STRYKER	EXF-9	(Uncontrolled)	No	0	0	0	0	0
STRYKER	EF-10	(Uncontrolled)	No	0	0	0	0	0
STRYKER	EF15	Dry scrubber	Yes	0	0	0	1	1
STRYKER	ATM	(Uncontrolled)	No	0	0	0	0	0
MICROVENTION	1	Catalytic oxidizer	No	0	1	0	0	1
LSO	Abator 1	Catalytic oxidizer	No	0	1	0	0	1
LSO	Abator 2	Catalytic oxidizer	No	0	1	0	0	1
PARTER	APCD	(Multiple)	Yes	1	0	0	1	2
PARTER	ATM	(Uncontrolled)	No	0	0	0	0	0
AMRCA	CO	Catalytic oxidizer	No	0	1	0	0	1
EISSTERIGENICSLA	STK1_50S	Wet scrubber	No	1	0	0	0	1
EISSTERIGENICSLA	STK2_50S	Catalytic oxidizer	No	0	1	0	0	1
EISSTERIGENICSLA	NOAPCDRV_50S	Dry scrubber	Yes	0	0	0	1	1
EISSTERIGENICSLA	STK1_GA	Wet scrubber	No	1	0	0	0	1
EISSTERIGENICSLA	STK2_GA	Catalytic oxidizer	No	0	1	0	0	1
EISSTERIGENICSLA	HCDV	Dry scrubber	Yes	0	0	0	1	1
EISSTERIGENICSLA	SRV	Dry scrubber	Yes	0	0	0	1	1
EISSTERIGENICSLA	NOAPCDRV_GA	Dry scrubber	Yes	0	0	0	1	1
15717311	P-1	Catalytic oxidizer	No	0	1	0	0	1
15717311	P-2	Catalytic oxidizer	No	0	1	0	0	1
15717311	P-3	Catalytic oxidizer	No	0	1	0	0	1
EISSTERIGENICSONTARIO	ST1	Wet scrubber	No	1	0	0	0	1
EISSTERIGENICSONTARIO	ST2	Catalytic oxidizer	No	0	1	0	0	1
EISSTERIGENICSONTARIO	ST3	Catalytic oxidizer	No	0	1	0	0	1
EISSTERIGENICSONTARIO	NOAPCDRV	Dry scrubber	Yes	0	0	0	1	1
EISSTERIGENICSONTARIO	ATM	(Uncontrolled)	No	0	0	0	0	0
ACSCA	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSCA	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSCA	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSCA	SRV	(Uncontrolled)	No	0	0	0	0	0
JAXCA	Stack #1	Catalytic oxidizer	No	0	1	0	0	1
JAXCA	General Building Exhaust	(Uncontrolled)	No	0	0	0	0	0
7125311	EPN-1	Wet scrubber	No	1	0	0	0	1
7125311	EPN-2	Wet scrubber	No	1	0	0	0	1
7125311	EPN-3	Dry scrubber	Yes	0	0	0	1	1
7125311	EPN-4	Dry scrubber	Yes	0	0	0	1	1
7125311	EPN-5	Dry scrubber	Yes	0	0	0	1	1
7125311	EPN-6	Dry scrubber	Yes	0	0	0	1	1
7125311	EPN-7	Dry scrubber	Yes	0	0	0	1	1
7125311	EPN-8	Dry scrubber	Yes	0	0	0	1	1
7125311	EGSTV	(Uncontrolled)	No	0	0	0	0	0
186811	Abator Stack	Catalytic oxidizer	No	0	1	0	0	1
EISSTERISTEMECULA	EPN-1	Catalytic oxidizer	No	0	1	0	0	1
EISSTERISTEMECULA	EPN-2	Dry scrubber	Yes	0	0	0	1	1
EISSTERISTEMECULA	EPN-3	Dry scrubber	Yes	0	0	0	1	1
EISSTERISTEMECULA	EPN-4	Dry scrubber	Yes	0	0	0	1	1
3868611	CO	Catalytic oxidizer	No	0	1	0	0	1
20042411	CO	Catalytic oxidizer	No	0	1	0	0	1
3832911	WS	Wet scrubber	No	1	0	0	0	1
3832911	CO	Catalytic oxidizer	No	0	1	0	0	1
3832911	DS	Dry scrubber	Yes	0	0	0	1	1
3832911	APCD5	(Uncontrolled)	No	0	0	0	0	0
12847611	ATM	(Uncontrolled)	No	0	0	0	0	0
2707711	E-401	Catalytic oxidizer	No	0	1	0	0	1
2707711	E-500-1	(Uncontrolled)	No	0	0	0	0	0
2707711	E-500-2	(Uncontrolled)	No	0	0	0	0	0
2707711	E-264 and E-265	(Uncontrolled)	No	0	0	0	0	0
2707711	E-258 and E-259	(Uncontrolled)	No	0	0	0	0	0
2707711	E-260 and E-261	(Uncontrolled)	No	0	0	0	0	0
2707711	E-262 and E-263	(Uncontrolled)	No	0	0	0	0	0
18809411	CO	Catalytic oxidizer	No	0	1	0	0	1
18809411	EF-6	(Uncontrolled)	No	0	0	0	0	0
18809411	EF-10	(Uncontrolled)	No	0	0	0	0	0
FORTMYERS	ST-1	Dry scrubber	Yes	0	0	0	1	1
FORTMYERS	ST-2	Dry scrubber	Yes	0	0	0	1	1

FORTMYERS	SRV	(Uncontrolled)	No	0	0	0	0	0
FORTMYERS	IRV	(Uncontrolled)	No	0	0	0	0	0
12775411	S	Wet scrubber	No	1	0	0	0	1
12775411	A	Wet scrubber	No	1	0	0	0	1
12775411	V	(Uncontrolled)	No	0	0	0	0	0
12775411	ATM	(Uncontrolled)	No	0	0	0	0	0
4359211	Stack 1	Catalytic oxidizer	No	0	1	0	0	1
4359211	Sterilizer Stack	(Uncontrolled)	No	0	0	0	0	0
ACSTEMPLETERRACE	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSTEMPLETERRACE	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSTEMPLETERRACE	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSTEMPLETERRACE	SRV	(Uncontrolled)	No	0	0	0	0	0
ACSTEMPLETERRACE	IRV	(Uncontrolled)	No	0	0	0	0	0
3699811	ST1	Dry scrubber	Yes	0	0	0	1	1
3699811	ST2	(Multiple)	Yes	1	0	0	1	2
4315911	SC1	Wet scrubber	No	1	0	0	0	1
4315911	OX1	Catalytic oxidizer	No	0	1	0	0	1
4315911	DB1	Dry scrubber	Yes	0	0	0	1	1
4315911	DB2	Dry scrubber	Yes	0	0	0	1	1
4315911	DB3	Dry scrubber	Yes	0	0	0	1	1
4315911	Vent Stack for Scrubber Tanks	(Uncontrolled)	No	0	0	0	0	0
2534011	S-CO	Catalytic oxidizer	No	0	1	0	0	1
2534011	S-1	(Uncontrolled)	No	0	0	0	0	0
2534011	S-2	(Uncontrolled)	No	0	0	0	0	0
2534011	S-3	(Uncontrolled)	No	0	0	0	0	0
2534011	S-4	(Uncontrolled)	No	0	0	0	0	0
2534011	S-5	(Uncontrolled)	No	0	0	0	0	0
2534011	S-6	(Uncontrolled)	No	0	0	0	0	0
2534011	S-7	(Uncontrolled)	No	0	0	0	0	0
2534011	S-8	(Uncontrolled)	No	0	0	0	0	0
2686511	RTO-a	Thermal oxidizer	No	0	0	1	0	1
2686511	STK1	Dry scrubber	Yes	0	0	0	1	1
2686511	STK2	Dry scrubber	Yes	0	0	0	1	1
17953911	RTO-a	Thermal oxidizer	No	0	0	1	0	1
17953911	STK1	Dry scrubber	Yes	0	0	0	1	1
17953911	STK2	Dry scrubber	Yes	0	0	0	1	1
ACSLA	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSLA	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSLA	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSLA	ST-4	Dry scrubber	Yes	0	0	0	1	1
ACSLA	SRV	(Uncontrolled)	No	0	0	0	0	0
ACSLA	IRV	(Uncontrolled)	No	0	0	0	0	0
8140511	CS	(Multiple)	Yes	4	1	0	1	6
4553311	RSV01	(Multiple)	Yes	1	0	0	1	2
4553311	HV01	(Multiple)	Yes	1	0	0	1	2
4553311	SV01	Dry scrubber	Yes	0	0	0	1	1
4553311	SV02	Dry scrubber	Yes	0	0	0	1	1
4553311	RV02	Dry scrubber	Yes	0	0	0	1	1
4553311	RV03	Dry scrubber	Yes	0	0	0	1	1
4553311	RV04	Dry scrubber	Yes	0	0	0	1	1
4553311	RV05	Dry scrubber	Yes	0	0	0	1	1
4553311	PA01	Dry scrubber	Yes	0	0	0	1	1
4553311	PA02	Dry scrubber	Yes	0	0	0	1	1
4553311	PA03	Dry scrubber	Yes	0	0	0	1	1
4553311	PA04	Dry scrubber	Yes	0	0	0	1	1
4553311	PA05	Dry scrubber	Yes	0	0	0	1	1
4553311	ATM	(Uncontrolled)	No	0	0	0	0	0
8142611	EPN-1	Catalytic oxidizer	No	0	1	0	0	1
8142611	EPN-2	Dry scrubber	Yes	0	0	0	1	1
8142611	EPN-3	Dry scrubber	Yes	0	0	0	1	1
8142611	EPN-4	Dry scrubber	Yes	0	0	0	1	1
8155611	scrubber stack	Wet scrubber	No	1	0	0	0	1
8155611	#1	Catalytic oxidizer	No	0	1	0	0	1
8155611	ATM	(Uncontrolled)	No	0	0	0	0	0
FUCHS	Scrubber	Wet scrubber	No	1	0	0	0	1
FUCHS	EF-Q	(Uncontrolled)	No	0	0	0	0	0
FUCHS	CEV	(Uncontrolled)	No	0	0	0	0	0
FUCHS	EF-E	(Uncontrolled)	No	0	0	0	0	0
FUCHS	WR	(Uncontrolled)	No	0	0	0	0	0
FUCHS	ATM	(Uncontrolled)	No	0	0	0	0	0
17953511	D1	(Uncontrolled)	No	0	0	0	0	0
17953511	D2	(Uncontrolled)	No	0	0	0	0	0
17953511	D3	(Uncontrolled)	No	0	0	0	0	0
17953511	D4	(Uncontrolled)	No	0	0	0	0	0
17953511	D5	(Uncontrolled)	No	0	0	0	0	0
17953511	D6	(Uncontrolled)	No	0	0	0	0	0
17953511	E1	Wet scrubber	No	1	0	0	0	1
17953511	S1	(Uncontrolled)	No	0	0	0	0	0
5997411	D1	(Uncontrolled)	No	0	0	0	0	0
5997411	D2	(Uncontrolled)	No	0	0	0	0	0
5997411	D3	(Uncontrolled)	No	0	0	0	0	0

5997411	D4	(Uncontrolled)	No	0	0	0	0	0
5997411	D5	(Uncontrolled)	No	0	0	0	0	0
5997411	D6	(Uncontrolled)	No	0	0	0	0	0
5997411	D7	(Uncontrolled)	No	0	0	0	0	0
5997411	D8	(Uncontrolled)	No	0	0	0	0	0
5997411	D9	(Uncontrolled)	No	0	0	0	0	0
5997411	D10	(Uncontrolled)	No	0	0	0	0	0
5997411	D11	(Uncontrolled)	No	0	0	0	0	0
5997411	D12	(Uncontrolled)	No	0	0	0	0	0
5997411	D13	(Uncontrolled)	No	0	0	0	0	0
5997411	D14	(Uncontrolled)	No	0	0	0	0	0
5997411	D15	(Uncontrolled)	No	0	0	0	0	0
5997411	E1	Wet scrubber	No	1	0	0	0	1
5997411	S1	(Uncontrolled)	No	0	0	0	0	0
6572011	7-0023	Wet scrubber	No	1	0	0	0	1
6572011	045-0139-7-0023	(Uncontrolled)	No	0	0	0	0	0
7172111	Abator Fan	Catalytic oxidizer	No	0	1	0	0	1
7172111	EF-515	Catalytic oxidizer	No	0	1	0	0	1
7172111	EF-510	(Uncontrolled)	No	0	0	0	0	0
7172111	EF-4	(Multiple)	Yes	1	0	0	1	2
7172111	EF-1	Dry scrubber	Yes	0	0	0	1	1
7172111	GV 01	(Uncontrolled)	No	0	0	0	0	0
6449011	EPN-1	Catalytic oxidizer	No	0	1	0	0	1
6449011	EPN-2	Dry scrubber	Yes	0	0	0	1	1
6449011	EPN-3	Dry scrubber	Yes	0	0	0	1	1
6449011	EPN-4	Dry scrubber	Yes	0	0	0	1	1
EISMEDTRONICFRIDLEY	RCC-EF048_S	Catalytic oxidizer	No	0	1	0	0	1
EISMEDTRONICFRIDLEY	RCC-EF048_A	(Uncontrolled)	No	0	0	0	0	0
EISMEDTRONICFRIDLEY	RCC-EF049_S	Catalytic oxidizer	No	0	1	0	0	1
EISMEDTRONICFRIDLEY	RCC-EF049_A	(Uncontrolled)	No	0	0	0	0	0
EISMEDTRONICFRIDLEY	RCE-EF053A_S	Catalytic oxidizer	No	0	1	0	0	1
EISMEDTRONICFRIDLEY	RCE-EF053A_A	(Uncontrolled)	No	0	0	0	0	0
7703311	CD03	Wet scrubber	No	1	0	0	0	1
7703311	E-7	Dry scrubber	Yes	0	0	0	1	1
7703311	EODF-1	(Uncontrolled)	No	0	0	0	0	0
7703311	EODF-2	(Uncontrolled)	No	0	0	0	0	0
7703311	EODF-3	(Uncontrolled)	No	0	0	0	0	0
7703311	EODF-4	(Uncontrolled)	No	0	0	0	0	0
7703311	EODF-5	(Uncontrolled)	No	0	0	0	0	0
7703311	EOSF-1	(Uncontrolled)	No	0	0	0	0	0
7703311	VPF-1	(Uncontrolled)	No	0	0	0	0	0
7703311	VPF-2	(Uncontrolled)	No	0	0	0	0	0
7703311	CH1F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH2F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH3F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH4F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH5F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH6F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH7F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH8F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH9F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH10F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH11F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH12F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	CH13F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	EMF-1	(Uncontrolled)	No	0	0	0	0	0
7703311	EMF-2	(Uncontrolled)	No	0	0	0	0	0
7703311	SCF-1	(Uncontrolled)	No	0	0	0	0	0
7703311	SC2F-1	(Uncontrolled)	No	0	0	0	0	0
7703311	STV-1	(Uncontrolled)	No	0	0	0	0	0
ACSMO	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSMO	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSMO	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSMO	ST-4	Dry scrubber	Yes	0	0	0	1	1
ACSMO	SRV	(Uncontrolled)	No	0	0	0	0	0
ACSMO	IRV	(Uncontrolled)	No	0	0	0	0	0
7746311	Stack 1	(Multiple)	Yes	1	2	0	1	4
ANSCI	AB	Catalytic oxidizer	No	0	1	0	0	1
16431311	Stack 01	Catalytic oxidizer	No	0	1	0	0	1
16431311	Gas Dispense Exhaust	(Uncontrolled)	No	0	0	0	0	0
16431311	Chamber exhaust	(Uncontrolled)	No	0	0	0	0	0
16431311	Sterile Warehouse Exhaust	(Uncontrolled)	No	0	0	0	0	0
JPAC	1	Catalytic oxidizer	No	0	1	0	0	1
7518611	STCK1	Catalytic oxidizer	No	0	1	0	0	1
7518611	STCK2	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK1	Wet scrubber	No	1	0	0	0	1
7647011	STCK2	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK3	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK4	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK5	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK6	(Uncontrolled)	No	0	0	0	0	0

7647011	STCK7	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK8	(Uncontrolled)	No	0	0	0	0	0
7647011	STCK9	(Uncontrolled)	No	0	0	0	0	0
7647011	ATM	(Uncontrolled)	No	0	0	0	0	0
6721211	EPN-1	Wet scrubber	No	1	0	0	0	1
6721211	PT5	Wet scrubber	No	1	0	0	0	1
6721211	EPN-2	Dry scrubber	Yes	0	0	0	1	1
6721211	DRDB	Dry scrubber	Yes	0	0	0	1	1
6721211	EPN-3	Dry scrubber	Yes	0	0	0	1	1
6721211	EPN-4	Dry scrubber	Yes	0	0	0	1	1
6721211	EPN-5	Dry scrubber	Yes	0	0	0	1	1
6721211	EPN-6	Dry scrubber	Yes	0	0	0	1	1
6721211	EPN-7	Dry scrubber	Yes	0	0	0	1	1
6721211	ATM	(Uncontrolled)	No	0	0	0	0	0
7582111	Stack 5	Wet scrubber	No	1	0	0	0	1
7582111	Stack O	Catalytic oxidizer	No	0	1	0	0	1
7582111	ST1_2	Dry scrubber	Yes	0	0	0	1	1
7582111	ST3_4	Dry scrubber	Yes	0	0	0	1	1
7582111	ST5_6	Dry scrubber	Yes	0	0	0	1	1
7582111	ST7	Dry scrubber	Yes	0	0	0	1	1
7582111	HCDV	Dry scrubber	Yes	0	0	0	1	1
7582111	SRV	Dry scrubber	Yes	0	0	0	1	1
7582111	G2FEV	Dry scrubber	Yes	0	0	0	1	1
7582111	NOAPCDRV	Dry scrubber	Yes	0	0	0	1	1
5148911	16-0219stack	Wet scrubber	No	1	0	0	0	1
5148911	AAir16-0219ATM	(Uncontrolled)	No	0	0	0	0	0
LIS	E0001	(Multiple)	Yes	1	1	0	1	3
8409411	ST1	Wet scrubber	No	1	0	0	0	1
8409411	ST2	Catalytic oxidizer	No	0	1	0	0	1
8409411	EF8	Dry scrubber	Yes	0	0	0	1	1
8409411	EF7	Dry scrubber	Yes	0	0	0	1	1
8409411	EF2	Dry scrubber	Yes	0	0	0	1	1
8409411	EF4	Dry scrubber	Yes	0	0	0	1	1
8409411	EF3	Dry scrubber	Yes	0	0	0	1	1
8409411	EF6	Dry scrubber	Yes	0	0	0	1	1
8409411	EF5	Dry scrubber	Yes	0	0	0	1	1
8409411	EF1	Dry scrubber	Yes	0	0	0	1	1
8409411	EF11	Dry scrubber	Yes	0	0	0	1	1
8409411	EF10	Dry scrubber	Yes	0	0	0	1	1
8409411	EF9	Dry scrubber	Yes	0	0	0	1	1
8409411	ATM	(Uncontrolled)	No	0	0	0	0	0
ACSOH	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSOH	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSOH	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSOH	SRV	(Uncontrolled)	No	0	0	0	0	0
1047511	14442	Wet scrubber	No	1	0	0	0	1
1047511	ATM	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK1	Catalytic oxidizer	No	0	1	0	0	1
14657611	STCK2	Dry scrubber	Yes	0	0	0	1	1
14657611	STCK3	Dry scrubber	Yes	0	0	0	1	1
14657611	STCK4	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK5	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK6	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK7	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK8	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK9	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK10	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK11	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK12	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK13	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK14	(Uncontrolled)	No	0	0	0	0	0
14657611	STCK15	(Uncontrolled)	No	0	0	0	0	0
3765611	S101	Wet scrubber	No	1	0	0	0	1
3765611	S102	Dry scrubber	Yes	0	0	0	1	1
3765611	S103	(Uncontrolled)	No	0	0	0	0	0
3765611	ATM	(Uncontrolled)	No	0	0	0	0	0
ACSPA	ST-1	Dry scrubber	Yes	0	0	0	1	1
ACSPA	ST-2	Dry scrubber	Yes	0	0	0	1	1
ACSPA	ST-3	Dry scrubber	Yes	0	0	0	1	1
ACSPA	SRV	(Uncontrolled)	No	0	0	0	0	0
6982311	Wet Scrubber stack	(Multiple)	Yes	1	0	0	1	2
6982311	Dry-Bed stack	Dry scrubber	Yes	0	0	0	1	1
6982311	W400_EF1	(Uncontrolled)	No	0	0	0	0	0
6982311	W400_EF2	(Uncontrolled)	No	0	0	0	0	0
6982311	W500_EF1	(Uncontrolled)	No	0	0	0	0	0
6982311	W500_EF2	(Uncontrolled)	No	0	0	0	0	0
6982311	W500_EF3	(Uncontrolled)	No	0	0	0	0	0
6982311	W500_EF4	(Uncontrolled)	No	0	0	0	0	0
6982311	W500_EF5	(Uncontrolled)	No	0	0	0	0	0
6982311	W1100_EF1	(Uncontrolled)	No	0	0	0	0	0
6982311	W1100_EF2	(Uncontrolled)	No	0	0	0	0	0

6982311	W1100_EF3	(Uncontrolled)	No	0	0	0	0	0
6982311	W1100_EF4	(Uncontrolled)	No	0	0	0	0	0
6982311	W1100_EF5	(Uncontrolled)	No	0	0	0	0	0
6982311	ST vent	(Uncontrolled)	No	0	0	0	0	0
17622611	Abator Stack	Catalytic oxidizer	No	0	1	0	0	1
17622611	EF-7000-2	(Uncontrolled)	No	0	0	0	0	0
18934511	Stack Lesni	Catalytic oxidizer	No	0	1	0	0	1
18934511	Exhaust Fan	(Uncontrolled)	No	0	0	0	0	0
CUSTOMED	WS	Wet scrubber	No	1	0	0	0	1
CUSTOMED	DS	Dry scrubber	Yes	0	0	0	1	1
CUSTOMED	CEV vent	(Uncontrolled)	No	0	0	0	0	0
CUSTOMED	Chamber room vent stack	(Uncontrolled)	No	0	0	0	0	0
MPROCJUNCOS	EF-601/EF-602_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCJUNCOS	EF-601/EF-602_A	(Uncontrolled)	No	0	0	0	0	0
15515811	TO_SCV	Thermal oxidizer	No	0	0	1	0	1
15515811	TO_ARV	Thermal oxidizer	No	0	0	1	0	1
MPROCVILLALBA	5XLe-20_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-21_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-22_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-23_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-24_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-25_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-26_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-27_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-31_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-37_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-51_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-52_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-53_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-54_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-55_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-56_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-57_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-72_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-45_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-44_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-45_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-35_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-38_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-39_S	Catalytic oxidizer	No	0	1	0	0	1
MPROCVILLALBA	5XLe-20_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-21_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-22_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-23_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-24_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-25_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-26_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-27_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-31_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-37_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-51_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-52_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-53_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-54_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-55_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-56_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-57_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-72_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-45_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-44_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-45_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-35_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-38_A	(Uncontrolled)	No	0	0	0	0	0
MPROCVILLALBA	5XLe-39_A	(Uncontrolled)	No	0	0	0	0	0
6560811	SO1	(Multiple)	Yes	1	0	0	1	2
6560811	EF-8	Dry scrubber	Yes	0	0	0	1	1
6560811	Drum Room Stack	(Uncontrolled)	No	0	0	0	0	0
6560811	Main Stack	(Uncontrolled)	No	0	0	0	0	0
6560811	APCS stack	(Uncontrolled)	No	0	0	0	0	0
6640211	EPN-1	Wet scrubber	No	1	0	0	0	1
6640211	EPN-2	Catalytic oxidizer	No	0	1	0	0	1
6640211	EPN-5	Dry scrubber	Yes	0	0	0	1	1
6640211	EPN-3	Dry scrubber	Yes	0	0	0	1	1
6640211	EPN-4	Dry scrubber	Yes	0	0	0	1	1
6640211	ATM	(Uncontrolled)	No	0	0	0	0	0
5047611	CO	Catalytic oxidizer	No	0	1	0	0	1
2845011	Scrubber Stack	Wet scrubber	No	1	0	0	0	1
2845011	Oxidizer Stack	Catalytic oxidizer	No	0	1	0	0	1
2845011	CH Back Vent	(Uncontrolled)	No	0	0	0	0	0
2845011	EO gas room vent	(Uncontrolled)	No	0	0	0	0	0
2845011	Chamber 2 Room Vent	(Uncontrolled)	No	0	0	0	0	0

2845011	Chamber 3 Room Vent	(Uncontrolled)	No	0	0	0	0	0
2845011	Chamber 2 Door Vent	(Uncontrolled)	No	0	0	0	0	0
2845011	Chamber 3 Door Vent	(Uncontrolled)	No	0	0	0	0	0
2845011	quarantine corridor vent	(Uncontrolled)	No	0	0	0	0	0
2845011	Waste tank vent	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P7	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P8	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P9	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P10	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P11	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P12	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P13	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P14	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P15	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P16	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P17	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P18	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P19	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P20	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P21	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P22	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P23	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P24	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P25	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P26	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P27	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P28	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P29	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P30	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P31	(Uncontrolled)	No	0	0	0	0	0
3082511	1135P32	(Multiple)	No	1	1	0	0	2
STERITEC	1	Thermal oxidizer	No	0	0	1	0	1
STERITEC	ATM_A	(Uncontrolled)	No	0	0	0	0	0
STERITEC	ATM_CE	(Uncontrolled)	No	0	0	0	0	0
STERITEC	ATM_DD	(Uncontrolled)	No	0	0	0	0	0
STERITEC	ATM_SR	(Uncontrolled)	No	0	0	0	0	0
STERITEC	ATM_SW	(Uncontrolled)	No	0	0	0	0	0
DYNATEC	Stack 1	Catalytic oxidizer	No	0	1	0	0	1
3049411	EPN 1	Wet scrubber	No	1	0	0	0	1
3049411	EPN 2	Catalytic oxidizer	No	0	1	0	0	1
3049411	EPN 3	Catalytic oxidizer	No	0	1	0	0	1
3049411	EP 1 Drum Room Dry Bed	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 13	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 14	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 15	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 16	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 17	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 18	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 19	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 20	Dry scrubber	Yes	0	0	0	1	1
3049411	ATM_IP	(Uncontrolled)	No	0	0	0	0	0
3049411	EPN 4	Wet scrubber	No	1	0	0	0	1
3049411	EPN 5	Wet scrubber	No	1	0	0	0	1
3049411	EPN 7	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 8	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 9	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 10	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 11	Dry scrubber	Yes	0	0	0	1	1
3049411	EPN 12	Dry scrubber	Yes	0	0	0	1	1
3049411	ATM_DH	(Uncontrolled)	No	0	0	0	0	0
6888911	EPN-1	Wet scrubber	No	1	0	0	0	1
6888911	EPN-2	Wet scrubber	No	1	0	0	0	1
6888911	EPN-3	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-4	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-5	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-6	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-7	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-8	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-9	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-10	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-11	Dry scrubber	Yes	0	0	0	1	1
6888911	EPN-12	Dry scrubber	Yes	0	0	0	1	1
6888911	ATM	(Uncontrolled)	No	0	0	0	0	0
9132811	SCRBR (01)	Wet scrubber	No	1	0	0	0	1
9132811	Cat OX stack	Catalytic oxidizer	No	0	1	0	0	1
9132811	HCDV	Dry scrubber	Yes	0	0	0	1	1
9132811	SRV	Dry scrubber	Yes	0	0	0	1	1
9132811	G2FEV	Dry scrubber	Yes	0	0	0	1	1
9132811	NOAPCDRV	Dry scrubber	Yes	0	0	0	1	1
9061511	STACK	(Multiple)	Yes	1	0	0	1	2
9061511	EF20	(Uncontrolled)	No	0	0	0	0	0

9061511	EF19	(Uncontrolled)	No	0	0	0	0	0
9061511	EFM	(Uncontrolled)	No	0	0	0	0	0
9061511	EF18	(Uncontrolled)	No	0	0	0	0	0
9061511	EF22	(Uncontrolled)	No	0	0	0	0	0
9061511	EF13	(Uncontrolled)	No	0	0	0	0	0
9061511	EF14	(Uncontrolled)	No	0	0	0	0	0
9061511	EF15	(Uncontrolled)	No	0	0	0	0	0
9061511	EF16	(Uncontrolled)	No	0	0	0	0	0
9061511	EF17	(Uncontrolled)	No	0	0	0	0	0
9061511	EFA	(Uncontrolled)	No	0	0	0	0	0
9061511	EFB	(Uncontrolled)	No	0	0	0	0	0
9061511	EFC	(Uncontrolled)	No	0	0	0	0	0
9061511	efd	(Uncontrolled)	No	0	0	0	0	0
9061511	EFE	(Uncontrolled)	No	0	0	0	0	0
9061511	EF6	(Uncontrolled)	No	0	0	0	0	0
9061511	EF5	(Uncontrolled)	No	0	0	0	0	0
9061511	EF4	(Uncontrolled)	No	0	0	0	0	0
9061511	EF3	(Uncontrolled)	No	0	0	0	0	0
9061511	EF2	(Uncontrolled)	No	0	0	0	0	0
9061511	EF1	(Uncontrolled)	No	0	0	0	0	0
9061511	VFX	(Uncontrolled)	No	0	0	0	0	0
9061511	VFY	(Uncontrolled)	No	0	0	0	0	0
9061511	VFZ	(Uncontrolled)	No	0	0	0	0	0
9061511	EFI	(Uncontrolled)	No	0	0	0	0	0
9061511	EF12	(Uncontrolled)	No	0	0	0	0	0
9061511	EF11	(Uncontrolled)	No	0	0	0	0	0
9061511	EF8	(Uncontrolled)	No	0	0	0	0	0
9061511	EF9	(Uncontrolled)	No	0	0	0	0	0
9061511	VF9	(Uncontrolled)	No	0	0	0	0	0
9061511	STV-1	(Uncontrolled)	No	0	0	0	0	0
6755311	EU001	Catalytic oxidizer	No	0	1	0	0	1
6755311	EU002	Catalytic oxidizer	No	0	1	0	0	1
7307111	ST1	Wet scrubber	No	1	0	0	0	1
7307111	ST2	(Multiple)	Yes	1	0	0	1	2
7307111	ETO EF	Dry scrubber	Yes	0	0	0	1	1
7307111	EF-Chamber 10	Dry scrubber	Yes	0	0	0	1	1
7307111	EF-1-1, EF-1-2, EF-1-3	Dry scrubber	Yes	0	0	0	1	1
7307111	PH-2	Dry scrubber	Yes	0	0	0	1	1
7307111	EF#36/37	Dry scrubber	Yes	0	0	0	1	1
7307111	EF-2	Dry scrubber	Yes	0	0	0	1	1
7697511	Catalytic oxidizer	Catalytic oxidizer	No	0	1	0	0	1
7697511	EF132A/B	(Uncontrolled)	No	0	0	0	0	0
7697511	Chamber room EF fan	(Uncontrolled)	No	0	0	0	0	0
7697511	Warehouse relief vents	(Uncontrolled)	No	0	0	0	0	0
CVHN	CO	Catalytic oxidizer	No	0	1	0	0	1
17953611	Old Scrubber Stack	Wet scrubber	No	1	0	0	0	1
17953611	New Scrubber Stack	Wet scrubber	No	1	0	0	0	1
17953611	Oxidizer Stack	Catalytic oxidizer	No	0	1	0	0	1
17953611	CH Exh Vent	(Uncontrolled)	No	0	0	0	0	0
17953611	BLDGCh EtODM	(Uncontrolled)	No	0	0	0	0	0
17953611	BLDGCh	(Uncontrolled)	No	0	0	0	0	0
17953611	BLDG1	(Uncontrolled)	No	0	0	0	0	0
17953611	BLDG2	(Uncontrolled)	No	0	0	0	0	0
17953611	BLDG3	(Uncontrolled)	No	0	0	0	0	0
17953611	BLDG5	(Uncontrolled)	No	0	0	0	0	0
17953611	Vent stack for scrubber tanks	(Uncontrolled)	No	0	0	0	0	0
LNHBAYSIDE	VSI-41	Catalytic oxidizer	No	0	1	0	0	1
LNHBAYSIDE	VSI-51	Catalytic oxidizer	No	0	1	0	0	1
ALCON	1E	Catalytic oxidizer	No	0	1	0	0	1
STERIGENICSAR	SN-01	Catalytic oxidizer	No	0	1	0	0	1
STERIGENICSAR	SN-02	Dry scrubber	Yes	0	0	0	1	1
BDAZ	CATOX1	Catalytic oxidizer	No	0	1	0	0	1
BDAZ	CATOX2	Catalytic oxidizer	No	0	1	0	0	1
BDAZ	DB3	Dry scrubber	Yes	0	0	0	1	1
BDAZ	DB2	Dry scrubber	Yes	0	0	0	1	1
BDAZ	DB1A	Dry scrubber	Yes	0	0	0	1	1
BDAZ	DB1B	Dry scrubber	Yes	0	0	0	1	1
BDAZ	DB1C	Dry scrubber	Yes	0	0	0	1	1
BDAZ	DB1D	Dry scrubber	Yes	0	0	0	1	1
NAMSA	CO	Catalytic oxidizer	No	0	1	0	0	1

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2020	AK	Total Electric Industry	22.57	19.58	15.88	0.00	NA	19.82
2020	AL	Total Electric Industry	12.58	11.55	5.87	0.00	NA	9.84
2020	AR	Total Electric Industry	10.41	8.61	5.89	13.32	NA	8.32
2020	AZ	Total Electric Industry	12.27	10.11	6.07	9.38	NA	10.44
2020	CA	Total Electric Industry	20.45	17.53	14.27	10.07	NA	18.00
2020	CO	Total Electric Industry	12.36	10.29	7.48	8.64	NA	10.27
2020	CT	Total Electric Industry	22.71	16.58	13.07	13.34	NA	19.13
2020	DC	Total Electric Industry	12.63	11.85	7.99	9.60	NA	11.90
2020	DE	Total Electric Industry	12.56	9.18	6.70	0.00	NA	10.24
2020	FL	Total Electric Industry	11.27	8.85	7.15	7.69	NA	10.06
2020	GA	Total Electric Industry	12.02	10.08	5.77	5.39	NA	9.93
2020	HI	Total Electric Industry	30.28	28.41	24.45	0.00	NA	27.55
2020	IA	Total Electric Industry	12.46	9.96	6.43	0.00	NA	8.97
2020	ID	Total Electric Industry	9.95	7.75	6.23	0.00	NA	7.99
2020	IL	Total Electric Industry	13.04	9.15	6.70	6.56	NA	9.75
2020	IN	Total Electric Industry	12.83	11.21	6.98	10.21	NA	9.92
2020	KS	Total Electric Industry	12.85	10.40	7.30	0.00	NA	10.38
2020	KY	Total Electric Industry	10.87	10.34	5.31	0.00	NA	8.58
2020	LA	Total Electric Industry	9.67	8.85	4.88	8.77	NA	7.51
2020	MA	Total Electric Industry	21.97	16.03	14.51	6.24	NA	18.19
2020	MD	Total Electric Industry	13.01	9.72	7.81	7.79	NA	11.15
2020	ME	Total Electric Industry	16.81	12.56	8.86	0.00	NA	13.54
2020	MI	Total Electric Industry	16.26	11.71	7.24	11.39	NA	12.21
2020	MN	Total Electric Industry	13.17	10.43	7.67	9.40	NA	10.57
2020	MO	Total Electric Industry	11.22	8.93	6.84	7.84	NA	9.64
2020	MS	Total Electric Industry	11.17	10.38	5.63	0.00	NA	9.13
2020	MT	Total Electric Industry	11.24	10.51	5.18	0.00	NA	9.13
2020	NC	Total Electric Industry	11.38	8.69	6.31	7.67	NA	9.43
2020	ND	Total Electric Industry	10.44	9.02	7.26	0.00	NA	8.53
2020	NE	Total Electric Industry	10.80	8.89	7.38	0.00	NA	8.97
2020	NH	Total Electric Industry	19.04	15.41	13.11	0.00	NA	16.63
2020	NJ	Total Electric Industry	16.03	12.35	10.01	9.19	NA	13.63
2020	NM	Total Electric Industry	12.94	10.28	5.58	0.00	NA	9.33
2020	NV	Total Electric Industry	11.34	7.45	5.61	8.84	NA	8.33
2020	NY	Total Electric Industry	18.36	14.56	5.54	12.14	NA	14.87
2020	OH	Total Electric Industry	12.29	9.53	6.16	6.71	NA	9.44
2020	OK	Total Electric Industry	10.12	7.82	4.61	0.00	NA	7.63
2020	OR	Total Electric Industry	11.17	9.00	5.70	9.46	NA	8.82
2020	PA	Total Electric Industry	13.58	8.50	6.16	8.58	NA	9.70
2020	RI	Total Electric Industry	22.01	15.94	15.76	22.23	NA	18.54
2020	SC	Total Electric Industry	12.78	10.35	5.98	0.00	NA	9.90
2020	SD	Total Electric Industry	11.75	9.65	7.79	0.00	NA	10.06
2020	TN	Total Electric Industry	10.76	10.56	5.33	0.00	NA	9.52
2020	TX	Total Electric Industry	11.71	7.60	5.07	6.52	NA	8.36
2020	UT	Total Electric Industry	10.44	8.27	5.90	10.69	NA	8.27
2020	VA	Total Electric Industry	12.03	7.63	6.28	8.77	NA	9.16
2020	VT	Total Electric Industry	19.54	16.39	11.20	0.00	NA	16.33
2020	WA	Total Electric Industry	9.87	8.92	5.08	9.93	NA	8.33
2020	WI	Total Electric Industry	14.32	10.75	7.29	14.64	NA	10.82
2020	WV	Total Electric Industry	11.80	9.40	6.09	0.00	NA	8.75
2020	WY	Total Electric Industry	11.11	9.65	6.88	0.00	NA	8.27
2020	US	Total Electric Industry	13.15	10.59	6.67	9.90	NA	10.59
2020	AK	Full-Service Providers	22.57	19.58	15.88	0.00	NA	19.82
2020	AL	Full-Service Providers	12.57	11.55	5.87	0.00	NA	9.84
2020	AR	Full-Service Providers	10.41	8.61	5.89	13.32	NA	8.32
2020	AZ	Full-Service Providers	12.27	10.11	6.07	9.38	NA	10.44
2020	CA	Full-Service Providers	19.84	17.36	14.80	14.43	NA	17.86
2020	CO	Full-Service Providers	12.36	10.29	7.48	8.64	NA	10.27
2020	CT	Full-Service Providers	21.85	15.04	10.24	13.37	NA	19.44
2020	DC	Full-Service Providers	11.79	12.30	0.00	0.00	NA	11.96
2020	DE	Full-Service Providers	12.42	11.68	9.14	0.00	NA	11.83
2020	FL	Full-Service Providers	11.27	8.85	7.15	7.69	NA	10.06
2020	GA	Full-Service Providers	12.02	10.08	5.77	5.39	NA	9.93
2020	HI	Full-Service Providers	30.28	28.41	24.45	0.00	NA	27.55
2020	IA	Full-Service Providers	12.46	9.96	6.43	0.00	NA	8.97
2020	ID	Full-Service Providers	9.95	7.75	6.23	0.00	NA	7.99
2020	IL	Full-Service Providers	12.70	10.29	7.40	0.00	NA	11.49
2020	IN	Full-Service Providers	12.83	11.21	6.98	10.21	NA	9.92
2020	KS	Full-Service Providers	12.85	10.40	7.30	0.00	NA	10.38
2020	KY	Full-Service Providers	10.87	10.34	5.31	0.00	NA	8.58
2020	LA	Full-Service Providers	9.67	8.85	4.88	8.77	NA	7.51
2020	MA	Full-Service Providers	20.70	15.08	13.43	0.00	NA	18.30
2020	MD	Full-Service Providers	12.63	11.25	9.29	0.00	NA	12.29
2020	ME	Full-Service Providers	16.43	13.56	9.47	0.00	NA	15.32
2020	MI	Full-Service Providers	16.26	12.11	7.56	11.39	NA	12.70
2020	MN	Full-Service Providers	13.17	10.43	7.67	9.40	NA	10.57

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Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2020	MO	Full-Service Providers	11.22	8.93	6.84	7.84	NA	9.64
2020	MS	Full-Service Providers	11.17	10.38	5.63	0.00	NA	9.13
2020	MT	Full-Service Providers	11.24	10.70	8.01	0.00	NA	10.55
2020	NC	Full-Service Providers	11.38	8.69	6.31	7.67	NA	9.43
2020	ND	Full-Service Providers	10.44	9.02	7.26	0.00	NA	8.53
2020	NE	Full-Service Providers	10.80	8.89	7.38	0.00	NA	8.97
2020	NH	Full-Service Providers	18.50	15.69	12.21	0.00	NA	17.59
2020	NJ	Full-Service Providers	15.95	12.76	7.86	9.90	NA	14.55
2020	NM	Full-Service Providers	12.94	10.28	5.58	0.00	NA	9.33
2020	NV	Full-Service Providers	11.34	8.35	6.12	8.84	NA	8.95
2020	NY	Full-Service Providers	17.84	16.35	5.24	14.12	NA	16.78
2020	OH	Full-Service Providers	12.24	11.59	8.80	7.48	NA	11.51
2020	OK	Full-Service Providers	10.12	7.82	4.61	0.00	NA	7.63
2020	OR	Full-Service Providers	11.17	9.18	5.82	9.46	NA	9.03
2020	PA	Full-Service Providers	12.89	10.33	7.19	0.00	NA	12.13
2020	RI	Full-Service Providers	21.75	15.66	18.70	0.00	NA	20.00
2020	SC	Full-Service Providers	12.78	10.35	5.98	0.00	NA	9.90
2020	SD	Full-Service Providers	11.75	9.65	7.79	0.00	NA	10.06
2020	TN	Full-Service Providers	10.76	10.56	5.33	0.00	NA	9.52
2020	TX	Full-Service Providers	11.71	7.60	5.07	6.52	NA	8.36
2020	UT	Full-Service Providers	10.44	8.27	5.90	10.69	NA	8.27
2020	VA	Full-Service Providers	12.03	7.72	6.40	8.77	NA	9.29
2020	VT	Full-Service Providers	19.54	16.39	11.20	0.00	NA	16.33
2020	WA	Full-Service Providers	9.87	8.96	5.27	9.93	NA	8.47
2020	WI	Full-Service Providers	14.32	10.75	7.29	14.64	NA	10.82
2020	WV	Full-Service Providers	11.80	9.40	6.09	0.00	NA	8.75
2020	WY	Full-Service Providers	11.11	9.65	6.88	0.00	NA	8.27
2020	US	Full-Service Providers	12.81	10.27	6.60	10.53	NA	10.46
2020	CA	Restructured Retail Service Providers	22.41	17.89	12.90	6.14	NA	18.35
2020	CT	Restructured Retail Service Providers	25.37	17.26	14.33	13.24	NA	18.80
2020	DC	Restructured Retail Service Providers	15.42	11.78	7.99	9.60	NA	11.87
2020	DE	Restructured Retail Service Providers	14.64	7.77	4.68	0.00	NA	7.47
2020	IL	Restructured Retail Service Providers	13.73	8.59	6.60	6.56	NA	8.67
2020	MA	Restructured Retail Service Providers	23.70	16.32	15.13	6.24	NA	18.13
2020	MD	Restructured Retail Service Providers	14.81	9.24	7.61	7.79	NA	9.96
2020	ME	Restructured Retail Service Providers	20.25	11.85	8.77	0.00	NA	11.28
2020	MI	Restructured Retail Service Providers	0.00	8.06	5.75	0.00	NA	6.76
2020	MT	Restructured Retail Service Providers	11.43	4.53	3.42	0.00	NA	3.47
2020	NH	Restructured Retail Service Providers	21.98	15.28	13.24	0.00	NA	15.60
2020	NJ	Restructured Retail Service Providers	16.58	12.12	10.87	8.84	NA	12.45
2020	NV	Restructured Retail Service Providers	0.00	5.16	2.52	0.00	NA	4.28
2020	NY	Restructured Retail Service Providers	21.50	13.47	5.61	11.89	NA	12.72
2020	OH	Restructured Retail Service Providers	12.34	9.02	5.63	6.55	NA	8.51
2020	OR	Restructured Retail Service Providers	0.00	6.29	4.75	0.00	NA	5.29
2020	PA	Restructured Retail Service Providers	15.27	7.86	6.10	8.58	NA	8.29
2020	RI	Restructured Retail Service Providers	24.53	16.08	15.08	22.23	NA	16.70
2020	VA	Restructured Retail Service Providers	0.00	6.23	4.91	0.00	NA	5.81
2020	WA	Restructured Retail Service Providers	0.00	5.32	3.00	0.00	NA	3.33
2020	US	Restructured Retail Service Providers	17.39	11.84	6.98	9.68	NA	11.33
2020	CA	Energy-Only Providers	7.99	6.70	5.89	4.25	NA	6.95
2020	CT	Energy-Only Providers	9.72	8.07	7.22	4.18	NA	8.34
2020	DC	Energy-Only Providers	10.61	6.46	6.39	5.90	NA	6.77
2020	DE	Energy-Only Providers	8.94	5.50	3.99	0.00	NA	5.36
2020	IL	Energy-Only Providers	7.71	5.51	5.01	4.94	NA	5.70
2020	MA	Energy-Only Providers	11.99	9.42	9.05	5.24	NA	10.05
2020	MD	Energy-Only Providers	9.19	5.66	5.31	5.95	NA	6.22
2020	ME	Energy-Only Providers	11.17	6.69	5.63	0.00	NA	6.65
2020	MI	Energy-Only Providers	0.00	5.72	5.03	0.00	NA	5.33
2020	MT	Energy-Only Providers	7.14	1.98	2.89	0.00	NA	2.85
2020	NH	Energy-Only Providers	11.41	7.38	7.09	0.00	NA	7.87
2020	NJ	Energy-Only Providers	11.80	7.95	7.37	6.92	NA	8.33
2020	NV	Energy-Only Providers	0.00	4.15	2.40	0.00	NA	3.57
2020	NY	Energy-Only Providers	9.13	6.14	3.67	7.01	NA	6.00
2020	OH	Energy-Only Providers	5.86	4.51	4.07	4.37	NA	4.67
2020	OR	Energy-Only Providers	0.00	3.31	3.06	0.00	NA	3.15
2020	PA	Energy-Only Providers	8.81	5.53	5.06	6.63	NA	5.88
2020	RI	Energy-Only Providers	12.64	7.72	7.20	11.24	NA	8.09
2020	VA	Energy-Only Providers	0.00	5.20	4.63	0.00	NA	5.02
2020	WA	Energy-Only Providers	0.00	2.51	2.43	0.00	NA	2.44
2020	US	Energy-Only Providers	8.29	6.23	4.89	6.29	NA	6.20
2020	CA	Delivery-Only Service	14.42	11.19	7.02	1.89	NA	11.40
2020	CT	Delivery-Only Service	15.65	9.19	7.10	9.06	NA	10.46
2020	DC	Delivery-Only Service	4.81	5.32	1.60	3.70	NA	5.10
2020	DE	Delivery-Only Service	5.71	2.27	0.69	0.00	NA	2.11
2020	IL	Delivery-Only Service	6.02	3.09	1.59	1.62	NA	2.98
2020	MA	Delivery-Only Service	11.71	6.90	6.07	0.99	NA	8.08

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2020	MD	Delivery-Only Service	5.62	3.57	2.30	1.84	NA	3.75
2020	ME	Delivery-Only Service	9.08	5.16	3.14	0.00	NA	4.63
2020	MI	Delivery-Only Service	0.00	2.34	0.72	0.00	NA	1.43
2020	MT	Delivery-Only Service	4.29	2.56	0.53	0.00	NA	0.63
2020	NH	Delivery-Only Service	10.58	7.90	6.15	0.00	NA	7.72
2020	NJ	Delivery-Only Service	4.78	4.17	3.50	1.92	NA	4.13
2020	NV	Delivery-Only Service	0.00	1.00	0.12	0.00	NA	0.71
2020	NY	Delivery-Only Service	12.37	7.34	1.94	4.88	NA	6.72
2020	OH	Delivery-Only Service	6.48	4.51	1.56	2.19	NA	3.83
2020	OR	Delivery-Only Service	0.00	2.98	1.69	0.00	NA	2.14
2020	PA	Delivery-Only Service	6.46	2.34	1.04	1.96	NA	2.41
2020	RI	Delivery-Only Service	11.88	8.36	7.88	10.99	NA	8.61
2020	VA	Delivery-Only Service	0.00	1.03	0.28	0.00	NA	0.79
2020	WA	Delivery-Only Service	0.00	2.80	0.57	0.00	NA	0.89
2020	US	Delivery-Only Service	9.10	5.61	2.09	3.40	NA	5.13
2019	AK	Total Electric Industry	22.92	19.80	16.94	0.00	NA	20.22
2019	AL	Total Electric Industry	12.53	11.52	5.95	0.00	NA	9.83
2019	AR	Total Electric Industry	9.80	8.78	6.13	11.73	NA	8.22
2019	AZ	Total Electric Industry	12.43	10.25	6.28	9.68	NA	10.52
2019	CA	Total Electric Industry	19.15	16.67	13.40	8.91	NA	16.89
2019	CO	Total Electric Industry	12.18	10.43	7.40	8.70	NA	10.17
2019	CT	Total Electric Industry	21.87	16.75	13.44	13.69	NA	18.66
2019	DC	Total Electric Industry	12.98	12.26	8.22	9.50	NA	12.27
2019	DE	Total Electric Industry	12.55	9.53	7.70	0.00	NA	10.52
2019	FL	Total Electric Industry	11.70	9.27	7.65	8.32	NA	10.44
2019	GA	Total Electric Industry	11.76	10.02	6.17	5.85	NA	9.86
2019	HI	Total Electric Industry	32.06	29.23	25.76	0.00	NA	28.72
2019	IA	Total Electric Industry	12.46	9.99	6.60	0.00	NA	9.08
2019	ID	Total Electric Industry	9.89	7.67	6.08	0.00	NA	7.89
2019	IL	Total Electric Industry	13.03	9.08	6.52	6.91	NA	9.56
2019	IN	Total Electric Industry	12.58	11.03	7.36	10.76	NA	9.91
2019	KS	Total Electric Industry	12.71	10.29	7.35	0.00	NA	10.26
2019	KY	Total Electric Industry	10.80	10.15	5.57	0.00	NA	8.61
2019	LA	Total Electric Industry	9.80	8.91	5.23	9.08	NA	7.71
2019	MA	Total Electric Industry	21.92	16.80	14.76	6.15	NA	18.40
2019	MD	Total Electric Industry	13.12	9.97	7.80	7.37	NA	11.24
2019	ME	Total Electric Industry	17.89	12.83	9.22	0.00	NA	14.04
2019	MI	Total Electric Industry	15.74	11.39	7.07	10.56	NA	11.56
2019	MN	Total Electric Industry	13.04	10.34	7.53	9.49	NA	10.33
2019	MO	Total Electric Industry	11.14	9.07	7.11	7.89	NA	9.68
2019	MS	Total Electric Industry	11.27	10.52	5.85	0.00	NA	9.28
2019	MT	Total Electric Industry	11.13	10.41	5.45	0.00	NA	9.02
2019	NC	Total Electric Industry	11.42	8.81	6.30	8.20	NA	9.45
2019	ND	Total Electric Industry	10.30	9.01	7.94	0.00	NA	8.85
2019	NE	Total Electric Industry	10.77	8.85	7.65	0.00	NA	9.08
2019	NH	Total Electric Industry	20.05	15.93	13.09	0.00	NA	17.15
2019	NJ	Total Electric Industry	15.85	12.23	10.16	8.80	NA	13.42
2019	NM	Total Electric Industry	12.51	9.79	5.48	0.00	NA	8.99
2019	NV	Total Electric Industry	12.00	8.04	6.14	8.51	NA	8.78
2019	NY	Total Electric Industry	17.94	14.06	5.61	12.28	NA	14.34
2019	OH	Total Electric Industry	12.38	9.72	6.55	6.83	NA	9.58
2019	OK	Total Electric Industry	10.21	7.98	5.07	0.00	NA	7.86
2019	OR	Total Electric Industry	11.01	8.85	5.86	9.14	NA	8.81
2019	PA	Total Electric Industry	13.80	8.71	6.41	7.26	NA	9.81
2019	RI	Total Electric Industry	21.73	16.38	15.59	18.49	NA	18.49
2019	SC	Total Electric Industry	12.99	10.58	6.11	0.00	NA	10.02
2019	SD	Total Electric Industry	11.55	9.59	7.81	0.00	NA	9.96
2019	TN	Total Electric Industry	10.87	10.65	5.68	0.00	NA	9.69
2019	TX	Total Electric Industry	11.76	8.06	5.45	6.44	NA	8.60
2019	UT	Total Electric Industry	10.40	8.26	5.98	10.62	NA	8.24
2019	VA	Total Electric Industry	12.07	8.18	6.85	8.27	NA	9.52
2019	VT	Total Electric Industry	17.71	15.98	11.05	0.00	NA	15.36
2019	WA	Total Electric Industry	9.71	8.75	4.80	9.45	NA	8.04
2019	WI	Total Electric Industry	14.18	10.72	7.31	13.85	NA	10.66
2019	WV	Total Electric Industry	11.25	9.16	6.02	0.00	NA	8.49
2019	WY	Total Electric Industry	11.18	9.64	6.73	0.00	NA	8.10
2019	US	Total Electric Industry	13.01	10.68	6.81	9.66	NA	10.54
2019	AK	Full-Service Providers	22.92	19.80	16.94	0.00	NA	20.22
2019	AL	Full-Service Providers	12.53	11.52	5.95	0.00	NA	9.83
2019	AR	Full-Service Providers	9.80	8.78	6.13	11.73	NA	8.22
2019	AZ	Full-Service Providers	12.43	10.25	6.28	9.68	NA	10.52
2019	CA	Full-Service Providers	18.70	16.62	13.88	13.08	NA	16.89
2019	CO	Full-Service Providers	12.18	10.43	7.40	8.70	NA	10.17
2019	CT	Full-Service Providers	21.44	16.63	11.11	13.69	NA	19.55
2019	DC	Full-Service Providers	12.17	12.75	0.00	0.00	NA	12.38
2019	DE	Full-Service Providers	12.42	11.64	9.63	0.00	NA	11.88

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2019	FL	Full-Service Providers	11.70	9.27	7.65	8.32	NA	10.44
2019	GA	Full-Service Providers	11.76	10.02	6.17	5.85	NA	9.86
2019	HI	Full-Service Providers	32.06	29.23	25.76	0.00	NA	28.72
2019	IA	Full-Service Providers	12.46	9.99	6.60	0.00	NA	9.08
2019	ID	Full-Service Providers	9.89	7.67	6.08	0.00	NA	7.89
2019	IL	Full-Service Providers	12.66	10.08	7.49	0.00	NA	11.31
2019	IN	Full-Service Providers	12.58	11.03	7.36	10.76	NA	9.91
2019	KS	Full-Service Providers	12.71	10.29	7.35	0.00	NA	10.26
2019	KY	Full-Service Providers	10.80	10.15	5.57	0.00	NA	8.61
2019	LA	Full-Service Providers	9.80	8.91	5.23	9.08	NA	7.71
2019	MA	Full-Service Providers	20.76	17.11	13.85	0.00	NA	18.78
2019	MD	Full-Service Providers	12.72	11.30	9.17	0.00	NA	12.33
2019	ME	Full-Service Providers	17.60	14.14	10.19	0.00	NA	16.17
2019	MI	Full-Service Providers	15.74	11.83	7.34	10.56	NA	12.04
2019	MN	Full-Service Providers	13.04	10.34	7.53	9.49	NA	10.33
2019	MO	Full-Service Providers	11.14	9.07	7.11	7.89	NA	9.68
2019	MS	Full-Service Providers	11.27	10.52	5.85	0.00	NA	9.28
2019	MT	Full-Service Providers	11.13	10.55	7.96	0.00	NA	10.42
2019	NC	Full-Service Providers	11.42	8.81	6.30	8.20	NA	9.45
2019	ND	Full-Service Providers	10.30	9.01	7.94	0.00	NA	8.85
2019	NE	Full-Service Providers	10.77	8.85	7.65	0.00	NA	9.08
2019	NH	Full-Service Providers	19.63	16.49	12.60	0.00	NA	18.53
2019	NJ	Full-Service Providers	15.68	12.61	8.49	9.59	NA	14.32
2019	NM	Full-Service Providers	12.51	9.79	5.48	0.00	NA	8.99
2019	NV	Full-Service Providers	12.00	8.97	6.64	8.51	NA	9.40
2019	NY	Full-Service Providers	17.40	15.67	5.32	13.42	NA	16.21
2019	OH	Full-Service Providers	12.19	11.37	8.74	7.17	NA	11.38
2019	OK	Full-Service Providers	10.21	7.98	5.07	0.00	NA	7.86
2019	OR	Full-Service Providers	11.01	8.98	5.91	9.14	NA	8.97
2019	PA	Full-Service Providers	13.07	10.50	7.01	0.00	NA	12.23
2019	RI	Full-Service Providers	21.45	17.26	18.77	0.00	NA	20.10
2019	SC	Full-Service Providers	12.99	10.58	6.11	0.00	NA	10.02
2019	SD	Full-Service Providers	11.55	9.59	7.81	0.00	NA	9.96
2019	TN	Full-Service Providers	10.87	10.65	5.68	0.00	NA	9.69
2019	TX	Full-Service Providers	11.76	8.06	5.45	6.44	NA	8.60
2019	UT	Full-Service Providers	10.40	8.26	5.98	10.62	NA	8.24
2019	VA	Full-Service Providers	12.07	8.21	6.93	8.27	NA	9.57
2019	VT	Full-Service Providers	17.71	15.98	11.05	0.00	NA	15.36
2019	WA	Full-Service Providers	9.71	8.78	4.92	9.45	NA	8.16
2019	WI	Full-Service Providers	14.18	10.72	7.31	13.85	NA	10.66
2019	WV	Full-Service Providers	11.25	9.16	6.02	0.00	NA	8.49
2019	WY	Full-Service Providers	11.18	9.64	6.73	0.00	NA	8.10
2019	US	Full-Service Providers	12.72	10.39	6.75	10.20	NA	10.44
2019	CA	Restructured Retail Service Providers	20.87	16.80	12.20	5.23	NA	16.90
2019	CT	Restructured Retail Service Providers	23.16	16.79	14.32	13.69	NA	17.80
2019	DC	Restructured Retail Service Providers	15.68	12.18	8.22	9.50	NA	12.23
2019	DE	Restructured Retail Service Providers	14.59	8.26	6.06	0.00	NA	8.13
2019	IL	Restructured Retail Service Providers	13.69	8.61	6.39	6.91	NA	8.56
2019	MA	Restructured Retail Service Providers	23.71	16.68	15.33	6.15	NA	18.14
2019	MD	Restructured Retail Service Providers	14.92	9.54	7.60	7.37	NA	10.16
2019	ME	Restructured Retail Service Providers	20.15	11.71	9.08	0.00	NA	11.38
2019	MI	Restructured Retail Service Providers	15.95	7.53	5.74	0.00	NA	6.52
2019	MT	Restructured Retail Service Providers	11.43	5.72	4.06	0.00	NA	4.12
2019	NH	Restructured Retail Service Providers	22.04	15.68	13.16	0.00	NA	15.81
2019	NJ	Restructured Retail Service Providers	17.10	12.03	10.79	8.60	NA	12.34
2019	NV	Restructured Retail Service Providers	0.00	5.27	2.76	0.00	NA	4.39
2019	NY	Restructured Retail Service Providers	20.96	13.15	5.68	12.17	NA	12.46
2019	OH	Restructured Retail Service Providers	12.59	9.31	6.11	6.81	NA	8.78
2019	OR	Restructured Retail Service Providers	0.00	6.78	5.44	0.00	NA	5.93
2019	PA	Restructured Retail Service Providers	15.47	8.13	6.37	7.26	NA	8.52
2019	RI	Restructured Retail Service Providers	24.18	15.95	14.77	18.49	NA	16.54
2019	VA	Restructured Retail Service Providers	0.00	5.52	5.77	0.00	NA	5.69
2019	WA	Restructured Retail Service Providers	0.00	5.68	3.54	0.00	NA	3.76
2019	US	Restructured Retail Service Providers	16.84	11.75	7.09	9.49	NA	11.12
2019	CA	Energy-Only Providers	7.53	6.74	5.89	3.58	NA	6.76
2019	CT	Energy-Only Providers	10.28	8.59	7.88	8.85	NA	8.85
2019	DC	Energy-Only Providers	11.04	6.81	6.68	6.09	NA	7.09
2019	DE	Energy-Only Providers	9.08	6.01	5.34	0.00	NA	6.05
2019	IL	Energy-Only Providers	7.68	5.67	4.82	5.21	NA	5.67
2019	MA	Energy-Only Providers	12.39	9.93	9.29	5.23	NA	10.41
2019	MD	Energy-Only Providers	9.51	6.08	5.60	5.74	NA	6.57
2019	ME	Energy-Only Providers	11.65	7.17	6.25	0.00	NA	7.22
2019	MI	Energy-Only Providers	8.93	5.49	5.15	0.00	NA	5.30
2019	MT	Energy-Only Providers	5.71	3.20	3.57	0.00	NA	3.56
2019	NH	Energy-Only Providers	11.73	8.12	7.60	0.00	NA	8.48
2019	NJ	Energy-Only Providers	12.33	8.06	7.47	6.86	NA	8.41

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2019	NV	Energy-Only Providers	0.00	4.09	2.62	0.00	NA	3.57
2019	NY	Energy-Only Providers	9.15	6.41	3.86	7.20	NA	6.22
2019	OH	Energy-Only Providers	6.12	4.91	4.54	4.78	NA	5.05
2019	OR	Energy-Only Providers	0.00	3.92	3.82	0.00	NA	3.86
2019	PA	Energy-Only Providers	8.97	5.82	5.37	5.70	NA	6.14
2019	RI	Energy-Only Providers	13.33	8.45	7.87	9.72	NA	8.82
2019	VA	Energy-Only Providers	0.00	4.91	5.50	0.00	NA	5.31
2019	WA	Energy-Only Providers	0.00	2.76	2.94	0.00	NA	2.92
2019	US	Energy-Only Providers	8.35	6.52	5.11	6.25	NA	6.39
2019	CA	Delivery-Only Service	13.34	10.06	6.31	1.65	NA	10.14
2019	CT	Delivery-Only Service	12.88	8.20	6.43	4.84	NA	8.95
2019	DC	Delivery-Only Service	4.64	5.37	1.55	3.40	NA	5.14
2019	DE	Delivery-Only Service	5.52	2.25	0.73	0.00	NA	2.08
2019	IL	Delivery-Only Service	6.01	2.93	1.57	1.69	NA	2.89
2019	MA	Delivery-Only Service	11.32	6.75	6.04	0.92	NA	7.73
2019	MD	Delivery-Only Service	5.41	3.46	2.00	1.63	NA	3.59
2019	ME	Delivery-Only Service	8.50	4.54	2.83	0.00	NA	4.16
2019	MI	Delivery-Only Service	7.02	2.04	0.59	0.00	NA	1.22
2019	MT	Delivery-Only Service	5.71	2.52	0.48	0.00	NA	0.57
2019	NH	Delivery-Only Service	10.32	7.56	5.55	0.00	NA	7.33
2019	NJ	Delivery-Only Service	4.77	3.97	3.33	1.74	NA	3.94
2019	NV	Delivery-Only Service	0.00	1.18	0.14	0.00	NA	0.82
2019	NY	Delivery-Only Service	11.81	6.74	1.82	4.97	NA	6.24
2019	OH	Delivery-Only Service	6.47	4.39	1.56	2.03	NA	3.73
2019	OR	Delivery-Only Service	0.00	2.86	1.62	0.00	NA	2.08
2019	PA	Delivery-Only Service	6.50	2.31	1.00	1.56	NA	2.38
2019	RI	Delivery-Only Service	10.85	7.50	6.90	8.77	NA	7.72
2019	VA	Delivery-Only Service	0.00	0.61	0.28	0.00	NA	0.38
2019	WA	Delivery-Only Service	0.00	2.92	0.60	0.00	NA	0.84
2019	US	Delivery-Only Service	8.48	5.24	1.98	3.24	NA	4.73
2018	AK	Total Electric Industry	21.94	18.58	17.10	0.00	NA	19.36
2018	AL	Total Electric Industry	12.18	11.24	6.01	0.00	NA	9.63
2018	AR	Total Electric Industry	9.81	7.75	5.64	11.35	NA	7.78
2018	AZ	Total Electric Industry	12.77	10.64	6.55	10.02	NA	10.85
2018	CA	Total Electric Industry	18.84	16.34	13.20	8.64	NA	16.58
2018	CO	Total Electric Industry	12.15	10.02	7.47	9.00	NA	10.02
2018	CT	Total Electric Industry	21.20	16.76	13.77	12.84	NA	18.41
2018	DC	Total Electric Industry	12.84	11.97	8.30	9.54	NA	12.03
2018	DE	Total Electric Industry	12.53	9.65	7.95	0.00	NA	10.55
2018	FL	Total Electric Industry	11.54	9.19	7.65	8.26	NA	10.32
2018	GA	Total Electric Industry	11.47	9.79	6.00	5.52	NA	9.62
2018	HI	Total Electric Industry	32.47	29.90	26.10	0.00	NA	29.18
2018	IA	Total Electric Industry	12.24	9.68	6.45	0.00	NA	8.92
2018	ID	Total Electric Industry	10.15	7.93	6.47	0.00	NA	8.17
2018	IL	Total Electric Industry	12.77	9.12	6.80	6.75	NA	9.60
2018	IN	Total Electric Industry	12.26	10.60	7.38	10.44	NA	9.75
2018	KS	Total Electric Industry	13.35	10.66	7.60	0.00	NA	10.72
2018	KY	Total Electric Industry	10.60	9.74	5.68	0.00	NA	8.52
2018	LA	Total Electric Industry	9.59	8.85	5.35	9.21	NA	7.71
2018	MA	Total Electric Industry	21.61	17.17	14.89	6.38	NA	18.50
2018	MD	Total Electric Industry	13.30	10.43	8.23	7.44	NA	11.57
2018	ME	Total Electric Industry	16.84	12.51	9.32	0.00	NA	13.44
2018	MI	Total Electric Industry	15.45	11.15	7.10	10.76	NA	11.40
2018	MN	Total Electric Industry	13.14	10.38	7.52	9.58	NA	10.37
2018	MO	Total Electric Industry	11.34	9.40	7.22	8.52	NA	9.93
2018	MS	Total Electric Industry	11.12	10.43	6.00	0.00	NA	9.24
2018	MT	Total Electric Industry	10.96	10.11	5.19	0.00	NA	8.84
2018	NC	Total Electric Industry	11.09	8.58	6.33	8.02	NA	9.25
2018	ND	Total Electric Industry	10.25	9.10	7.98	0.00	NA	8.91
2018	NE	Total Electric Industry	10.70	8.83	7.60	0.00	NA	9.02
2018	NH	Total Electric Industry	19.69	15.81	13.42	0.00	NA	17.01
2018	NJ	Total Electric Industry	15.41	12.21	10.07	9.07	NA	13.23
2018	NM	Total Electric Industry	12.68	10.02	5.84	0.00	NA	9.35
2018	NV	Total Electric Industry	11.85	7.74	6.10	8.31	NA	8.67
2018	NY	Total Electric Industry	18.52	14.50	6.02	12.14	NA	14.83
2018	OH	Total Electric Industry	12.56	10.11	7.01	7.33	NA	9.94
2018	OK	Total Electric Industry	10.30	8.07	5.34	0.00	NA	8.09
2018	OR	Total Electric Industry	10.98	8.91	5.86	9.16	NA	8.85
2018	PA	Total Electric Industry	13.89	8.94	6.84	7.78	NA	10.10
2018	RI	Total Electric Industry	20.55	16.58	15.39	17.01	NA	18.10
2018	SC	Total Electric Industry	12.44	10.11	6.10	0.00	NA	9.67
2018	SD	Total Electric Industry	11.59	9.62	7.77	0.00	NA	9.97
2018	TN	Total Electric Industry	10.71	10.51	5.68	0.00	NA	9.58
2018	TX	Total Electric Industry	11.20	8.16	5.39	8.08	NA	8.48
2018	UT	Total Electric Industry	10.41	8.23	5.90	10.59	NA	8.21
2018	VA	Total Electric Industry	11.73	8.32	6.86	8.28	NA	9.48

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2018	VT	Total Electric Industry	18.02	15.24	10.66	0.00	NA	15.13
2018	WA	Total Electric Industry	9.75	8.72	4.72	9.38	NA	8.00
2018	WI	Total Electric Industry	14.02	10.67	7.33	13.85	NA	10.58
2018	WV	Total Electric Industry	11.18	9.24	6.40	0.00	NA	8.72
2018	WY	Total Electric Industry	11.29	9.58	6.71	0.00	NA	8.09
2018	US	Total Electric Industry	12.87	10.67	6.92	9.70	NA	10.53
2018	AK	Full-Service Providers	21.94	18.58	17.10	0.00	NA	19.36
2018	AL	Full-Service Providers	12.18	11.24	6.01	0.00	NA	9.63
2018	AR	Full-Service Providers	9.81	7.75	5.64	11.35	NA	7.78
2018	AZ	Full-Service Providers	12.77	10.64	6.55	10.02	NA	10.85
2018	CA	Full-Service Providers	18.55	16.52	13.85	12.85	NA	16.83
2018	CO	Full-Service Providers	12.15	10.02	7.47	9.00	NA	10.02
2018	CT	Full-Service Providers	20.75	16.58	11.49	12.50	NA	19.11
2018	DC	Full-Service Providers	12.11	12.81	0.00	0.00	NA	12.37
2018	DE	Full-Service Providers	12.40	11.13	9.94	0.00	NA	11.80
2018	FL	Full-Service Providers	11.54	9.19	7.65	8.26	NA	10.32
2018	GA	Full-Service Providers	11.47	9.79	6.00	5.52	NA	9.62
2018	HI	Full-Service Providers	32.47	29.90	26.10	0.00	NA	29.18
2018	IA	Full-Service Providers	12.24	9.68	6.45	0.00	NA	8.92
2018	ID	Full-Service Providers	10.15	7.93	6.47	0.00	NA	8.17
2018	IL	Full-Service Providers	12.60	10.32	7.41	0.00	NA	11.30
2018	IN	Full-Service Providers	12.26	10.60	7.38	10.44	NA	9.75
2018	KS	Full-Service Providers	13.35	10.66	7.60	0.00	NA	10.72
2018	KY	Full-Service Providers	10.60	9.74	5.68	0.00	NA	8.52
2018	LA	Full-Service Providers	9.59	8.85	5.35	9.21	NA	7.71
2018	MA	Full-Service Providers	20.64	17.40	13.66	0.00	NA	18.82
2018	MD	Full-Service Providers	12.94	11.39	9.24	0.00	NA	12.53
2018	ME	Full-Service Providers	16.55	13.39	10.41	0.00	NA	15.27
2018	MI	Full-Service Providers	15.45	11.54	7.35	10.76	NA	11.84
2018	MN	Full-Service Providers	13.14	10.38	7.52	9.58	NA	10.37
2018	MO	Full-Service Providers	11.34	9.40	7.22	8.52	NA	9.93
2018	MS	Full-Service Providers	11.12	10.43	6.00	0.00	NA	9.24
2018	MT	Full-Service Providers	10.96	10.26	7.64	0.00	NA	10.16
2018	NC	Full-Service Providers	11.09	8.58	6.33	8.02	NA	9.25
2018	ND	Full-Service Providers	10.25	9.10	7.98	0.00	NA	8.91
2018	NE	Full-Service Providers	10.70	8.83	7.60	0.00	NA	9.02
2018	NH	Full-Service Providers	19.31	16.38	13.29	0.00	NA	18.29
2018	NJ	Full-Service Providers	15.19	12.63	8.06	0.00	NA	14.07
2018	NM	Full-Service Providers	12.68	10.02	5.84	0.00	NA	9.35
2018	NV	Full-Service Providers	11.85	8.83	6.58	8.31	NA	9.33
2018	NY	Full-Service Providers	18.01	16.27	5.90	14.10	NA	16.88
2018	OH	Full-Service Providers	12.37	11.27	8.75	7.90	NA	11.52
2018	OK	Full-Service Providers	10.30	8.07	5.34	0.00	NA	8.09
2018	OR	Full-Service Providers	10.98	9.06	5.95	9.16	NA	9.02
2018	PA	Full-Service Providers	13.19	10.48	8.93	0.00	NA	12.46
2018	RI	Full-Service Providers	20.34	17.89	17.04	0.00	NA	19.51
2018	SC	Full-Service Providers	12.44	10.11	6.10	0.00	NA	9.67
2018	SD	Full-Service Providers	11.59	9.62	7.77	0.00	NA	9.97
2018	TN	Full-Service Providers	10.71	10.51	5.68	0.00	NA	9.58
2018	TX	Full-Service Providers	11.20	8.16	5.39	8.08	NA	8.48
2018	UT	Full-Service Providers	10.41	8.23	5.90	10.59	NA	8.21
2018	VA	Full-Service Providers	11.73	8.33	6.86	8.28	NA	9.50
2018	VT	Full-Service Providers	18.02	15.24	10.66	0.00	NA	15.13
2018	WA	Full-Service Providers	9.75	8.72	4.83	9.38	NA	8.11
2018	WI	Full-Service Providers	14.02	10.67	7.33	13.85	NA	10.58
2018	WV	Full-Service Providers	11.18	9.24	6.40	0.00	NA	8.72
2018	WY	Full-Service Providers	11.29	9.58	6.71	0.00	NA	8.09
2018	US	Full-Service Providers	12.61	10.39	6.81	10.44	NA	10.44
2018	CA	Restructured Retail Service Providers	21.56	15.74	11.36	5.15	NA	15.51
2018	CT	Restructured Retail Service Providers	22.42	16.83	14.66	13.11	NA	17.78
2018	DC	Restructured Retail Service Providers	15.15	11.83	8.30	9.54	NA	11.90
2018	DE	Restructured Retail Service Providers	14.49	8.64	6.69	0.00	NA	8.41
2018	IL	Restructured Retail Service Providers	13.06	8.56	6.70	6.75	NA	8.62
2018	MA	Restructured Retail Service Providers	23.12	17.09	15.64	6.38	NA	18.29
2018	MD	Restructured Retail Service Providers	14.86	10.14	8.09	7.44	NA	10.65
2018	ME	Restructured Retail Service Providers	18.74	11.78	9.19	0.00	NA	11.35
2018	MI	Restructured Retail Service Providers	15.59	7.65	5.81	0.00	NA	6.62
2018	MT	Restructured Retail Service Providers	11.67	5.04	3.65	0.00	NA	3.71
2018	NH	Restructured Retail Service Providers	21.19	15.56	13.44	0.00	NA	15.83
2018	NJ	Restructured Retail Service Providers	16.88	11.99	10.68	9.07	NA	12.28
2018	NV	Restructured Retail Service Providers	0.00	4.85	2.68	0.00	NA	4.17
2018	NY	Restructured Retail Service Providers	21.22	13.59	6.04	11.89	NA	12.86
2018	OH	Restructured Retail Service Providers	12.79	9.81	6.68	7.29	NA	9.25
2018	OR	Restructured Retail Service Providers	0.00	6.48	5.16	0.00	NA	5.65
2018	PA	Restructured Retail Service Providers	15.31	8.46	6.74	7.78	NA	8.91
2018	RI	Restructured Retail Service Providers	22.22	15.97	14.95	17.01	NA	16.44

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2018	VA	Restructured Retail Service Providers	0.00	6.00	6.73	0.00	NA	6.45
2018	WA	Restructured Retail Service Providers	0.00	3.49	3.37	0.00	NA	3.37
2018	US	Restructured Retail Service Providers	16.30	11.73	7.37	9.49	NA	11.06
2018	CA	Energy-Only Providers	6.69	6.31	5.59	3.54	NA	6.16
2018	CT	Energy-Only Providers	9.89	8.47	8.18	8.31	NA	8.76
2018	DC	Energy-Only Providers	10.90	7.00	6.72	6.10	NA	7.25
2018	DE	Energy-Only Providers	9.08	6.38	5.92	0.00	NA	6.42
2018	IL	Energy-Only Providers	7.59	5.83	5.26	5.25	NA	5.92
2018	MA	Energy-Only Providers	12.21	10.22	9.68	5.48	NA	10.59
2018	MD	Energy-Only Providers	9.58	6.69	6.09	5.70	NA	7.08
2018	ME	Energy-Only Providers	10.28	7.48	6.31	0.00	NA	7.25
2018	MI	Energy-Only Providers	8.50	5.57	5.22	0.00	NA	5.37
2018	MT	Energy-Only Providers	6.67	2.64	3.16	0.00	NA	3.13
2018	NH	Energy-Only Providers	11.25	8.30	7.97	0.00	NA	8.68
2018	NJ	Energy-Only Providers	12.24	8.28	7.57	7.18	NA	8.58
2018	NV	Energy-Only Providers	0.00	3.84	2.53	0.00	NA	3.43
2018	NY	Energy-Only Providers	9.55	6.87	4.29	7.12	NA	6.66
2018	OH	Energy-Only Providers	6.17	5.24	4.90	5.13	NA	5.32
2018	OR	Energy-Only Providers	0.00	3.47	3.47	0.00	NA	3.47
2018	PA	Energy-Only Providers	8.78	6.25	5.78	6.11	NA	6.50
2018	RI	Energy-Only Providers	11.77	8.73	8.17	7.74	NA	8.94
2018	VA	Energy-Only Providers	0.00	5.45	6.43	0.00	NA	6.05
2018	WA	Energy-Only Providers	0.00	2.79	2.69	0.00	NA	2.69
2018	US	Energy-Only Providers	8.35	6.77	5.43	6.32	NA	6.59
2018	CA	Delivery-Only Service	14.87	9.43	5.76	1.61	NA	9.35
2018	CT	Delivery-Only Service	12.53	8.35	6.47	4.80	NA	9.02
2018	DC	Delivery-Only Service	4.25	4.83	1.58	3.44	NA	4.65
2018	DE	Delivery-Only Service	5.40	2.26	0.77	0.00	NA	1.99
2018	IL	Delivery-Only Service	5.47	2.72	1.44	1.50	NA	2.70
2018	MA	Delivery-Only Service	10.91	6.88	5.96	0.90	NA	7.70
2018	MD	Delivery-Only Service	5.28	3.45	2.00	1.74	NA	3.57
2018	ME	Delivery-Only Service	8.45	4.30	2.88	0.00	NA	4.10
2018	MI	Delivery-Only Service	7.08	2.09	0.59	0.00	NA	1.25
2018	MT	Delivery-Only Service	5.00	2.40	0.49	0.00	NA	0.58
2018	NH	Delivery-Only Service	9.94	7.25	5.47	0.00	NA	7.15
2018	NJ	Delivery-Only Service	4.64	3.72	3.11	1.88	NA	3.70
2018	NV	Delivery-Only Service	0.00	1.01	0.16	0.00	NA	0.74
2018	NY	Delivery-Only Service	11.67	6.71	1.75	4.77	NA	6.20
2018	OH	Delivery-Only Service	6.62	4.57	1.79	2.16	NA	3.93
2018	OR	Delivery-Only Service	0.00	3.01	1.68	0.00	NA	2.18
2018	PA	Delivery-Only Service	6.53	2.21	0.96	1.67	NA	2.42
2018	RI	Delivery-Only Service	10.46	7.23	6.78	9.26	NA	7.50
2018	VA	Delivery-Only Service	0.00	0.55	0.30	0.00	NA	0.40
2018	WA	Delivery-Only Service	0.00	0.70	0.68	0.00	NA	0.68
2018	US	Delivery-Only Service	7.95	4.96	1.95	3.17	NA	4.47
2017	AK	Total Electric Industry	21.27	18.89	16.34	0.00	NA	19.10
2017	AL	Total Electric Industry	12.55	11.60	6.16	0.00	NA	9.83
2017	AR	Total Electric Industry	10.28	8.51	6.07	12.26	NA	8.26
2017	AZ	Total Electric Industry	12.44	10.50	6.45	9.65	NA	10.64
2017	CA	Total Electric Industry	18.31	15.76	12.73	8.68	NA	16.06
2017	CO	Total Electric Industry	12.17	9.89	7.50	9.77	NA	9.99
2017	CT	Total Electric Industry	20.29	16.06	13.10	10.95	NA	17.55
2017	DC	Total Electric Industry	12.94	11.66	8.23	8.90	NA	11.80
2017	DE	Total Electric Industry	13.35	9.89	7.78	0.00	NA	10.91
2017	FL	Total Electric Industry	11.61	9.35	7.83	8.62	NA	10.42
2017	GA	Total Electric Industry	11.90	10.09	5.96	5.35	NA	9.83
2017	HI	Total Electric Industry	29.50	26.77	22.92	0.00	NA	26.05
2017	IA	Total Electric Industry	12.34	9.46	6.21	0.00	NA	8.73
2017	ID	Total Electric Industry	10.04	7.98	6.66	0.00	NA	8.26
2017	IL	Total Electric Industry	12.95	9.09	6.47	6.35	NA	9.49
2017	IN	Total Electric Industry	12.29	10.54	7.54	11.23	NA	9.77
2017	KS	Total Electric Industry	13.31	10.59	7.54	0.00	NA	10.60
2017	KY	Total Electric Industry	10.85	9.85	5.72	0.00	NA	8.57
2017	LA	Total Electric Industry	9.74	8.95	5.48	9.93	NA	7.79
2017	MA	Total Electric Industry	20.06	15.94	13.88	6.22	NA	17.12
2017	MD	Total Electric Industry	13.96	10.75	8.37	7.74	NA	11.98
2017	ME	Total Electric Industry	15.97	12.12	9.20	0.00	NA	13.02
2017	MI	Total Electric Industry	15.40	11.00	7.19	11.99	NA	11.28
2017	MN	Total Electric Industry	13.04	10.48	7.37	9.56	NA	10.27
2017	MO	Total Electric Industry	11.63	9.47	7.33	8.42	NA	10.03
2017	MS	Total Electric Industry	11.08	10.17	5.99	0.00	NA	9.09
2017	MT	Total Electric Industry	10.95	10.12	5.25	0.00	NA	8.92
2017	NC	Total Electric Industry	10.94	8.44	6.20	8.55	NA	9.04
2017	ND	Total Electric Industry	10.29	9.19	7.63	0.00	NA	8.78
2017	NE	Total Electric Industry	10.97	8.85	7.66	0.00	NA	9.08
2017	NH	Total Electric Industry	19.20	14.81	12.34	0.00	NA	16.17

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2017	NJ	Total Electric Industry	15.65	12.28	10.12	8.81	NA	13.32
2017	NM	Total Electric Industry	12.88	10.19	6.15	0.00	NA	9.59
2017	NV	Total Electric Industry	11.99	7.96	6.15	8.61	NA	8.76
2017	NY	Total Electric Industry	18.03	14.75	5.92	12.67	NA	14.74
2017	OH	Total Electric Industry	12.63	10.05	6.92	7.50	NA	9.84
2017	OK	Total Electric Industry	10.61	8.11	5.42	0.00	NA	8.20
2017	OR	Total Electric Industry	10.66	8.86	5.98	9.35	NA	8.81
2017	PA	Total Electric Industry	14.23	8.98	6.77	7.16	NA	10.13
2017	RI	Total Electric Industry	18.32	15.20	14.57	17.08	NA	16.42
2017	SC	Total Electric Industry	13.02	10.57	6.19	0.00	NA	9.97
2017	SD	Total Electric Industry	11.77	9.74	7.84	0.00	NA	10.05
2017	TN	Total Electric Industry	10.72	10.55	5.83	0.00	NA	9.45
2017	TX	Total Electric Industry	11.01	8.26	5.35	8.16	NA	8.38
2017	UT	Total Electric Industry	10.95	8.65	6.13	10.26	NA	8.60
2017	VA	Total Electric Industry	11.55	8.01	6.51	8.11	NA	9.18
2017	VT	Total Electric Industry	17.68	14.61	10.21	0.00	NA	14.60
2017	WA	Total Electric Industry	9.66	8.57	4.60	9.18	NA	7.94
2017	WI	Total Electric Industry	14.35	10.87	7.49	14.31	NA	10.76
2017	WV	Total Electric Industry	11.63	9.58	6.64	0.00	NA	9.00
2017	WY	Total Electric Industry	11.37	9.70	6.92	0.00	NA	8.28
2017	US	Total Electric Industry	12.89	10.66	6.88	9.68	NA	10.48
2017	AK	Full-Service Providers	21.27	18.89	16.34	0.00	NA	19.10
2017	AL	Full-Service Providers	12.55	11.60	6.16	0.00	NA	9.83
2017	AR	Full-Service Providers	10.28	8.51	6.07	12.26	NA	8.26
2017	AZ	Full-Service Providers	12.44	10.50	6.45	9.65	NA	10.64
2017	CA	Full-Service Providers	18.15	16.10	13.51	12.00	NA	16.44
2017	CO	Full-Service Providers	12.17	9.89	7.50	9.77	NA	9.99
2017	CT	Full-Service Providers	19.82	15.34	10.55	9.26	NA	18.10
2017	DC	Full-Service Providers	12.21	12.04	0.00	0.00	NA	12.15
2017	DE	Full-Service Providers	13.23	11.71	9.87	0.00	NA	12.43
2017	FL	Full-Service Providers	11.61	9.35	7.83	8.62	NA	10.42
2017	GA	Full-Service Providers	11.90	10.09	5.96	5.35	NA	9.83
2017	HI	Full-Service Providers	29.50	26.77	22.92	0.00	NA	26.05
2017	IA	Full-Service Providers	12.34	9.46	6.21	0.00	NA	8.73
2017	ID	Full-Service Providers	10.04	7.98	6.66	0.00	NA	8.26
2017	IL	Full-Service Providers	12.64	9.99	7.24	0.00	NA	11.14
2017	IN	Full-Service Providers	12.29	10.54	7.54	11.23	NA	9.77
2017	KS	Full-Service Providers	13.31	10.59	7.54	0.00	NA	10.60
2017	KY	Full-Service Providers	10.85	9.85	5.72	0.00	NA	8.57
2017	LA	Full-Service Providers	9.74	8.95	5.48	9.93	NA	7.79
2017	MA	Full-Service Providers	19.00	14.89	12.65	0.00	NA	16.99
2017	MD	Full-Service Providers	13.61	11.45	9.30	0.00	NA	13.03
2017	ME	Full-Service Providers	15.56	11.67	10.14	0.00	NA	14.16
2017	MI	Full-Service Providers	15.40	11.37	7.49	11.99	NA	11.74
2017	MN	Full-Service Providers	13.04	10.48	7.37	9.56	NA	10.27
2017	MO	Full-Service Providers	11.63	9.47	7.33	8.42	NA	10.03
2017	MS	Full-Service Providers	11.08	10.17	5.99	0.00	NA	9.09
2017	MT	Full-Service Providers	10.95	10.26	7.66	0.00	NA	10.16
2017	NC	Full-Service Providers	10.94	8.44	6.20	8.55	NA	9.04
2017	ND	Full-Service Providers	10.29	9.19	7.63	0.00	NA	8.78
2017	NE	Full-Service Providers	10.97	8.85	7.66	0.00	NA	9.08
2017	NH	Full-Service Providers	19.69	19.45	21.66	0.00	NA	19.71
2017	NJ	Full-Service Providers	15.49	12.79	7.53	0.00	NA	14.24
2017	NM	Full-Service Providers	12.88	10.19	6.15	0.00	NA	9.59
2017	NV	Full-Service Providers	11.99	8.69	6.55	8.61	NA	9.26
2017	NY	Full-Service Providers	17.44	16.32	5.60	14.00	NA	16.51
2017	OH	Full-Service Providers	12.54	11.24	8.91	9.29	NA	11.63
2017	OK	Full-Service Providers	10.61	8.11	5.42	0.00	NA	8.20
2017	OR	Full-Service Providers	10.66	8.99	6.12	9.35	NA	8.98
2017	PA	Full-Service Providers	13.64	10.91	7.59	0.00	NA	12.77
2017	RI	Full-Service Providers	17.99	16.15	15.41	0.00	NA	17.37
2017	SC	Full-Service Providers	13.02	10.57	6.19	0.00	NA	9.97
2017	SD	Full-Service Providers	11.77	9.74	7.84	0.00	NA	10.05
2017	TN	Full-Service Providers	10.72	10.55	5.83	0.00	NA	9.45
2017	TX	Full-Service Providers	11.01	8.26	5.35	8.16	NA	8.38
2017	UT	Full-Service Providers	10.95	8.64	6.13	10.26	NA	8.60
2017	VA	Full-Service Providers	11.55	8.02	6.55	8.11	NA	9.20
2017	VT	Full-Service Providers	17.68	14.61	10.21	0.00	NA	14.60
2017	WA	Full-Service Providers	9.66	8.58	4.75	9.18	NA	8.06
2017	WI	Full-Service Providers	14.35	10.87	7.49	14.31	NA	10.76
2017	WV	Full-Service Providers	11.63	9.58	6.64	0.00	NA	9.00
2017	WY	Full-Service Providers	11.37	9.70	6.92	0.00	NA	8.28
2017	US	Full-Service Providers	12.66	10.44	6.82	10.32	NA	10.43
2017	CA	Restructured Retail Service Providers	20.96	14.13	10.05	5.23	NA	13.73
2017	CT	Restructured Retail Service Providers	21.38	16.30	14.03	11.09	NA	17.11
2017	DC	Restructured Retail Service Providers	15.17	11.60	8.23	8.90	NA	11.67

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2017	DE	Restructured Retail Service Providers	14.84	8.71	6.40	0.00	NA	8.43
2017	IL	Restructured Retail Service Providers	13.48	8.66	6.35	6.35	NA	8.56
2017	MA	Restructured Retail Service Providers	22.04	16.30	14.63	6.22	NA	17.22
2017	MD	Restructured Retail Service Providers	15.40	10.54	8.25	7.74	NA	11.04
2017	ME	Restructured Retail Service Providers	18.25	12.53	9.13	0.00	NA	11.70
2017	MI	Restructured Retail Service Providers	15.55	7.61	5.72	0.00	NA	6.52
2017	MT	Restructured Retail Service Providers	10.91	5.32	3.53	0.00	NA	3.62
2017	NH	Restructured Retail Service Providers	17.38	12.71	11.11	0.00	NA	12.98
2017	NJ	Restructured Retail Service Providers	16.52	12.04	10.90	8.81	NA	12.37
2017	NV	Restructured Retail Service Providers	0.00	5.39	2.95	0.00	NA	4.51
2017	NY	Restructured Retail Service Providers	20.81	13.96	5.99	12.48	NA	13.12
2017	OH	Restructured Retail Service Providers	12.74	9.73	6.55	7.34	NA	9.05
2017	OR	Restructured Retail Service Providers	0.00	6.46	4.94	0.00	NA	5.50
2017	PA	Restructured Retail Service Providers	15.32	8.43	6.73	7.16	NA	8.90
2017	RI	Restructured Retail Service Providers	20.73	14.76	14.36	17.08	NA	15.34
2017	VA	Restructured Retail Service Providers	0.00	6.22	4.73	0.00	NA	5.20
2017	WA	Restructured Retail Service Providers	0.00	3.85	3.17	0.00	NA	3.18
2017	US	Restructured Retail Service Providers	16.04	11.55	7.11	9.50	NA	10.79
2017	CA	Energy-Only Providers	6.80	5.65	4.68	3.50	NA	5.49
2017	CT	Energy-Only Providers	8.98	8.08	7.67	5.92	NA	8.21
2017	DC	Energy-Only Providers	10.84	7.05	6.79	5.70	NA	7.27
2017	DE	Energy-Only Providers	9.46	6.44	5.54	0.00	NA	6.38
2017	IL	Energy-Only Providers	7.41	5.93	5.08	4.96	NA	5.84
2017	MA	Energy-Only Providers	11.37	9.16	8.79	5.30	NA	9.55
2017	MD	Energy-Only Providers	9.81	6.91	6.06	5.90	NA	7.27
2017	ME	Energy-Only Providers	9.65	7.05	6.24	0.00	NA	7.02
2017	MI	Energy-Only Providers	8.50	5.53	5.12	0.00	NA	5.29
2017	MT	Energy-Only Providers	6.36	2.90	3.02	0.00	NA	3.01
2017	NH	Energy-Only Providers	10.06	7.75	7.39	0.00	NA	8.01
2017	NJ	Energy-Only Providers	11.76	8.13	7.54	7.17	NA	8.47
2017	NV	Energy-Only Providers	0.00	4.39	2.81	0.00	NA	3.82
2017	NY	Energy-Only Providers	9.38	7.04	4.12	7.28	NA	6.74
2017	OH	Energy-Only Providers	6.23	5.33	4.86	5.01	NA	5.33
2017	OR	Energy-Only Providers	0.00	3.50	3.48	0.00	NA	3.49
2017	PA	Energy-Only Providers	8.49	6.23	5.75	5.49	NA	6.42
2017	RI	Energy-Only Providers	10.38	7.60	7.74	7.95	NA	7.92
2017	VA	Energy-Only Providers	0.00	5.59	4.54	0.00	NA	4.87
2017	WA	Energy-Only Providers	0.00	2.88	2.56	0.00	NA	2.56
2017	US	Energy-Only Providers	8.26	6.70	5.26	6.19	NA	6.47
2017	CA	Delivery-Only Service	14.16	8.49	5.36	1.73	NA	8.24
2017	CT	Delivery-Only Service	12.39	8.22	6.35	5.16	NA	8.90
2017	DC	Delivery-Only Service	4.33	4.55	1.44	3.20	NA	4.40
2017	DE	Delivery-Only Service	5.38	2.27	0.87	0.00	NA	2.05
2017	IL	Delivery-Only Service	6.07	2.74	1.28	1.39	NA	2.73
2017	MA	Delivery-Only Service	10.68	7.14	5.84	0.92	NA	7.67
2017	MD	Delivery-Only Service	5.59	3.63	2.19	1.84	NA	3.76
2017	ME	Delivery-Only Service	8.61	5.49	2.89	0.00	NA	4.68
2017	MI	Delivery-Only Service	7.05	2.08	0.60	0.00	NA	1.23
2017	MT	Delivery-Only Service	4.55	2.42	0.51	0.00	NA	0.61
2017	NH	Delivery-Only Service	7.32	4.96	3.72	0.00	NA	4.97
2017	NJ	Delivery-Only Service	4.76	3.90	3.36	1.65	NA	3.90
2017	NV	Delivery-Only Service	0.00	0.99	0.14	0.00	NA	0.69
2017	NY	Delivery-Only Service	11.43	6.92	1.87	5.21	NA	6.39
2017	OH	Delivery-Only Service	6.50	4.40	1.70	2.33	NA	3.72
2017	OR	Delivery-Only Service	0.00	2.96	1.46	0.00	NA	2.01
2017	PA	Delivery-Only Service	6.83	2.20	0.97	1.67	NA	2.48
2017	RI	Delivery-Only Service	10.34	7.17	6.61	9.14	NA	7.42
2017	VA	Delivery-Only Service	0.00	0.63	0.19	0.00	NA	0.33
2017	WA	Delivery-Only Service	0.00	0.97	0.61	0.00	NA	0.62
2017	US	Delivery-Only Service	7.79	4.85	1.85	3.31	NA	4.32
2016	AK	Total Electric Industry	20.30	17.56	15.22	0.00	NA	17.93
2016	AL	Total Electric Industry	11.99	11.11	6.04	0.00	NA	9.56
2016	AR	Total Electric Industry	9.92	8.23	6.08	10.40	NA	8.13
2016	AZ	Total Electric Industry	12.15	10.41	6.07	9.93	NA	10.33
2016	CA	Total Electric Industry	17.39	15.07	11.92	9.80	NA	15.23
2016	CO	Total Electric Industry	12.07	9.60	7.35	9.80	NA	9.83
2016	CT	Total Electric Industry	20.01	15.75	12.81	10.84	NA	17.24
2016	DC	Total Electric Industry	12.29	11.72	8.80	9.53	NA	11.73
2016	DE	Total Electric Industry	13.42	10.07	8.11	0.00	NA	11.09
2016	FL	Total Electric Industry	10.98	8.90	7.69	8.32	NA	9.91
2016	GA	Total Electric Industry	11.50	9.81	5.84	5.08	NA	9.59
2016	HI	Total Electric Industry	27.47	24.64	20.69	0.00	NA	23.87
2016	IA	Total Electric Industry	11.94	9.17	6.05	0.00	NA	8.55
2016	ID	Total Electric Industry	9.95	7.76	6.55	0.00	NA	8.08
2016	IL	Total Electric Industry	12.54	9.02	6.51	6.67	NA	9.38
2016	IN	Total Electric Industry	11.79	10.01	6.97	9.82	NA	9.22

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2016	KS	Total Electric Industry	13.06	10.47	7.49	0.00	NA	10.49
2016	KY	Total Electric Industry	10.49	9.57	5.67	0.00	NA	8.42
2016	LA	Total Electric Industry	9.34	8.59	5.08	9.03	NA	7.46
2016	MA	Total Electric Industry	19.00	15.60	13.38	5.94	NA	16.48
2016	MD	Total Electric Industry	14.23	10.99	7.89	7.85	NA	12.21
2016	ME	Total Electric Industry	15.83	12.08	8.96	0.00	NA	12.80
2016	MI	Total Electric Industry	15.22	10.64	6.91	11.63	NA	11.05
2016	MN	Total Electric Industry	12.67	9.86	7.37	10.06	NA	9.99
2016	MO	Total Electric Industry	11.21	9.26	7.12	8.31	NA	9.74
2016	MS	Total Electric Industry	10.47	9.57	5.79	0.00	NA	8.67
2016	MT	Total Electric Industry	10.94	10.19	5.06	0.00	NA	8.84
2016	NC	Total Electric Industry	11.03	8.62	6.31	7.88	NA	9.20
2016	ND	Total Electric Industry	10.16	9.15	7.98	0.00	NA	8.94
2016	NE	Total Electric Industry	10.84	8.80	7.69	0.00	NA	9.05
2016	NH	Total Electric Industry	18.38	14.43	12.34	0.00	NA	15.66
2016	NJ	Total Electric Industry	15.72	12.26	10.16	8.68	NA	13.38
2016	NM	Total Electric Industry	12.03	9.75	5.84	0.00	NA	9.12
2016	NV	Total Electric Industry	11.41	7.93	5.88	7.83	NA	8.39
2016	NY	Total Electric Industry	17.58	14.45	6.03	12.05	NA	14.47
2016	OH	Total Electric Industry	12.47	9.97	6.98	7.93	NA	9.84
2016	OK	Total Electric Industry	10.20	7.66	5.02	0.00	NA	7.83
2016	OR	Total Electric Industry	10.66	8.91	6.05	9.26	NA	8.83
2016	PA	Total Electric Industry	13.86	9.22	6.92	7.64	NA	10.19
2016	RI	Total Electric Industry	18.62	14.88	13.48	18.71	NA	16.28
2016	SC	Total Electric Industry	12.65	10.28	6.09	0.00	NA	9.79
2016	SD	Total Electric Industry	11.47	9.58	7.57	0.00	NA	9.83
2016	TN	Total Electric Industry	10.41	10.19	5.68	0.00	NA	9.23
2016	TX	Total Electric Industry	10.99	8.26	5.33	7.92	NA	8.43
2016	UT	Total Electric Industry	11.02	8.75	6.33	9.76	NA	8.72
2016	VA	Total Electric Industry	11.36	7.93	6.56	7.76	NA	9.09
2016	VT	Total Electric Industry	17.37	14.54	10.23	0.00	NA	14.46
2016	WA	Total Electric Industry	9.48	8.43	4.43	8.89	NA	7.68
2016	WI	Total Electric Industry	14.07	10.77	7.50	14.68	NA	10.67
2016	WV	Total Electric Industry	11.44	9.35	6.57	0.00	NA	8.98
2016	WY	Total Electric Industry	11.13	9.40	6.92	0.00	NA	8.19
2016	US	Total Electric Industry	12.55	10.43	6.76	9.63	NA	10.27
2016	AK	Full-Service Providers	20.30	17.56	15.22	0.00	NA	17.93
2016	AL	Full-Service Providers	11.99	11.11	6.04	0.00	NA	9.56
2016	AR	Full-Service Providers	9.92	8.23	6.08	10.40	NA	8.13
2016	AZ	Full-Service Providers	12.15	10.41	6.07	9.93	NA	10.33
2016	CA	Full-Service Providers	17.32	15.50	12.70	11.91	NA	15.68
2016	CO	Full-Service Providers	12.07	9.60	7.35	9.80	NA	9.83
2016	CT	Full-Service Providers	19.46	15.42	10.20	8.25	NA	17.82
2016	DC	Full-Service Providers	11.49	12.22	0.00	18.38	NA	11.76
2016	DE	Full-Service Providers	13.32	12.26	9.95	0.00	NA	12.64
2016	FL	Full-Service Providers	10.98	8.90	7.69	8.32	NA	9.91
2016	GA	Full-Service Providers	11.50	9.81	5.84	5.08	NA	9.59
2016	HI	Full-Service Providers	27.47	24.64	20.69	0.00	NA	23.87
2016	IA	Full-Service Providers	11.94	9.17	6.05	0.00	NA	8.55
2016	ID	Full-Service Providers	9.95	7.76	6.55	0.00	NA	8.08
2016	IL	Full-Service Providers	12.16	9.71	6.99	0.00	NA	10.73
2016	IN	Full-Service Providers	11.79	10.01	6.97	9.82	NA	9.22
2016	KS	Full-Service Providers	13.06	10.47	7.49	0.00	NA	10.49
2016	KY	Full-Service Providers	10.49	9.57	5.67	0.00	NA	8.42
2016	LA	Full-Service Providers	9.34	8.59	5.08	9.03	NA	7.46
2016	MA	Full-Service Providers	18.18	15.34	12.71	0.00	NA	16.64
2016	MD	Full-Service Providers	13.92	11.63	9.33	0.00	NA	13.30
2016	ME	Full-Service Providers	15.27	11.68	9.16	0.00	NA	13.89
2016	MI	Full-Service Providers	15.22	11.02	7.18	11.63	NA	11.50
2016	MN	Full-Service Providers	12.67	9.86	7.37	10.06	NA	9.99
2016	MO	Full-Service Providers	11.21	9.26	7.12	8.31	NA	9.74
2016	MS	Full-Service Providers	10.47	9.57	5.79	0.00	NA	8.67
2016	MT	Full-Service Providers	10.94	10.33	7.50	0.00	NA	10.13
2016	NC	Full-Service Providers	11.03	8.62	6.31	7.88	NA	9.20
2016	ND	Full-Service Providers	10.16	9.15	7.98	0.00	NA	8.94
2016	NE	Full-Service Providers	10.84	8.80	7.69	0.00	NA	9.05
2016	NH	Full-Service Providers	18.66	18.91	22.89	0.00	NA	18.92
2016	NJ	Full-Service Providers	15.60	12.74	7.83	7.49	NA	14.37
2016	NM	Full-Service Providers	12.03	9.75	5.84	0.00	NA	9.12
2016	NV	Full-Service Providers	11.41	8.21	6.20	7.83	NA	8.69
2016	NY	Full-Service Providers	16.92	15.46	5.50	12.87	NA	15.89
2016	OH	Full-Service Providers	12.52	10.97	8.03	9.73	NA	11.35
2016	OK	Full-Service Providers	10.20	7.66	5.02	0.00	NA	7.83
2016	OR	Full-Service Providers	10.66	9.04	6.20	9.26	NA	8.99
2016	PA	Full-Service Providers	13.26	11.00	7.85	0.00	NA	12.52
2016	RI	Full-Service Providers	18.42	16.43	14.85	0.00	NA	17.73

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2016	SC	Full-Service Providers	12.65	10.28	6.09	0.00	NA	9.79
2016	SD	Full-Service Providers	11.47	9.58	7.57	0.00	NA	9.83
2016	TN	Full-Service Providers	10.41	10.19	5.68	0.00	NA	9.23
2016	TX	Full-Service Providers	10.99	8.26	5.33	7.92	NA	8.43
2016	UT	Full-Service Providers	11.02	8.75	6.33	9.76	NA	8.72
2016	VA	Full-Service Providers	11.36	7.94	6.61	7.76	NA	9.12
2016	VT	Full-Service Providers	17.37	14.54	10.23	0.00	NA	14.46
2016	WA	Full-Service Providers	9.48	8.44	4.51	8.89	NA	7.78
2016	WI	Full-Service Providers	14.07	10.77	7.49	14.68	NA	10.67
2016	WV	Full-Service Providers	11.44	9.35	6.57	0.00	NA	8.98
2016	WY	Full-Service Providers	11.13	9.40	6.92	0.00	NA	8.19
2016	US	Full-Service Providers	12.34	10.19	6.68	9.87	NA	10.20
2016	CA	Restructured Retail Service Providers	20.50	12.51	8.87	7.48	NA	11.73
2016	CT	Restructured Retail Service Providers	21.14	15.85	13.70	11.05	NA	16.81
2016	DC	Restructured Retail Service Providers	14.85	11.64	8.80	9.52	NA	11.72
2016	DE	Restructured Retail Service Providers	14.67	8.66	6.90	0.00	NA	8.57
2016	IL	Restructured Retail Service Providers	13.07	8.70	6.43	6.67	NA	8.66
2016	MA	Restructured Retail Service Providers	20.70	15.69	13.81	5.94	NA	16.36
2016	MD	Restructured Retail Service Providers	15.46	10.80	7.70	7.85	NA	11.21
2016	ME	Restructured Retail Service Providers	18.48	12.39	8.94	0.00	NA	11.67
2016	MI	Restructured Retail Service Providers	14.69	7.38	5.51	0.00	NA	6.34
2016	MT	Restructured Retail Service Providers	11.00	5.63	3.34	0.00	NA	3.46
2016	NH	Restructured Retail Service Providers	17.10	12.17	10.89	0.00	NA	12.48
2016	NJ	Restructured Retail Service Providers	16.45	12.02	10.81	8.72	NA	12.31
2016	NV	Restructured Retail Service Providers	0.00	6.04	3.00	0.00	NA	4.47
2016	NY	Restructured Retail Service Providers	20.52	13.94	6.14	11.94	NA	13.18
2016	OH	Restructured Retail Service Providers	12.41	9.70	6.74	7.75	NA	9.11
2016	OR	Restructured Retail Service Providers	0.00	6.23	4.71	0.00	NA	5.27
2016	PA	Restructured Retail Service Providers	14.99	8.72	6.87	7.64	NA	9.07
2016	RI	Restructured Retail Service Providers	20.15	14.17	13.16	18.71	NA	14.62
2016	VA	Restructured Retail Service Providers	0.00	6.70	4.26	0.00	NA	5.03
2016	WA	Restructured Retail Service Providers	0.00	3.62	3.49	0.00	NA	3.49
2016	US	Restructured Retail Service Providers	15.46	11.42	7.12	9.56	NA	10.67
2016	CA	Energy-Only Providers	7.35	5.37	4.43	4.57	NA	5.17
2016	CT	Energy-Only Providers	9.54	8.21	7.83	6.39	NA	8.47
2016	DC	Energy-Only Providers	10.68	7.38	7.41	6.41	NA	7.57
2016	DE	Energy-Only Providers	9.89	6.59	6.08	0.00	NA	6.69
2016	IL	Energy-Only Providers	7.33	6.10	5.21	5.19	NA	5.98
2016	MA	Energy-Only Providers	11.01	8.89	8.40	5.05	NA	9.22
2016	MD	Energy-Only Providers	10.20	7.34	5.58	6.12	NA	7.62
2016	ME	Energy-Only Providers	10.18	7.34	6.29	0.00	NA	7.26
2016	MI	Energy-Only Providers	7.75	5.54	4.98	0.00	NA	5.23
2016	MT	Energy-Only Providers	6.00	3.32	2.85	0.00	NA	2.87
2016	NH	Energy-Only Providers	10.51	7.86	7.79	0.00	NA	8.22
2016	NJ	Energy-Only Providers	11.88	8.12	7.39	7.04	NA	8.42
2016	NV	Energy-Only Providers	0.00	5.64	2.87	0.00	NA	4.21
2016	NY	Energy-Only Providers	9.46	7.03	4.26	6.68	NA	6.78
2016	OH	Energy-Only Providers	6.39	5.62	5.09	5.21	NA	5.58
2016	OR	Energy-Only Providers	0.00	3.41	3.29	0.00	NA	3.33
2016	PA	Energy-Only Providers	8.61	6.57	5.89	5.95	NA	6.65
2016	RI	Energy-Only Providers	11.04	7.88	7.44	10.58	NA	8.14
2016	VA	Energy-Only Providers	0.00	6.04	4.12	0.00	NA	4.73
2016	WA	Energy-Only Providers	0.00	2.78	2.97	0.00	NA	2.97
2016	US	Energy-Only Providers	8.37	6.85	5.38	6.17	NA	6.62
2016	CA	Delivery-Only Service	13.15	7.15	4.44	2.91	NA	6.57
2016	CT	Delivery-Only Service	11.59	7.64	5.87	4.66	NA	8.34
2016	DC	Delivery-Only Service	4.17	4.26	1.39	3.11	NA	4.15
2016	DE	Delivery-Only Service	4.78	2.06	0.82	0.00	NA	1.88
2016	IL	Delivery-Only Service	5.74	2.60	1.22	1.47	NA	2.67
2016	MA	Delivery-Only Service	9.69	6.80	5.42	0.89	NA	7.14
2016	MD	Delivery-Only Service	5.26	3.46	2.12	1.73	NA	3.59
2016	ME	Delivery-Only Service	8.30	5.05	2.64	0.00	NA	4.41
2016	MI	Delivery-Only Service	6.94	1.84	0.53	0.00	NA	1.11
2016	MT	Delivery-Only Service	5.00	2.31	0.49	0.00	NA	0.59
2016	NH	Delivery-Only Service	6.60	4.31	3.09	0.00	NA	4.25
2016	NJ	Delivery-Only Service	4.58	3.90	3.42	1.68	NA	3.88
2016	NV	Delivery-Only Service	0.00	0.40	0.13	0.00	NA	0.26
2016	NY	Delivery-Only Service	11.06	6.91	1.88	5.26	NA	6.40
2016	OH	Delivery-Only Service	6.03	4.07	1.65	2.55	NA	3.53
2016	OR	Delivery-Only Service	0.00	2.82	1.42	0.00	NA	1.93
2016	PA	Delivery-Only Service	6.38	2.15	0.98	1.68	NA	2.43
2016	RI	Delivery-Only Service	9.11	6.28	5.72	8.13	NA	6.48
2016	VA	Delivery-Only Service	0.00	0.66	0.14	0.00	NA	0.31
2016	WA	Delivery-Only Service	0.00	0.84	0.52	0.00	NA	0.52
2016	US	Delivery-Only Service	7.09	4.57	1.75	3.38	NA	4.06
2015	AK	Total Electric Industry	19.83	17.44	14.53	0.00	NA	17.59

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2015	AL	Total Electric Industry	11.70	10.83	6.03	0.00	NA	9.33
2015	AR	Total Electric Industry	9.82	8.32	6.23	11.21	NA	8.19
2015	AZ	Total Electric Industry	12.13	10.39	6.26	9.40	NA	10.34
2015	CA	Total Electric Industry	16.99	15.73	12.17	8.99	NA	15.42
2015	CO	Total Electric Industry	12.12	9.88	7.40	10.08	NA	9.94
2015	CT	Total Electric Industry	20.94	15.97	12.95	13.18	NA	17.77
2015	DC	Total Electric Industry	12.99	12.01	8.78	9.00	NA	12.07
2015	DE	Total Electric Industry	13.42	10.25	8.28	0.00	NA	11.17
2015	FL	Total Electric Industry	11.58	9.50	8.22	8.92	NA	10.49
2015	GA	Total Electric Industry	11.54	9.89	5.87	5.27	NA	9.62
2015	HI	Total Electric Industry	29.60	26.93	23.06	0.00	NA	26.17
2015	IA	Total Electric Industry	11.63	8.92	5.90	0.00	NA	8.35
2015	ID	Total Electric Industry	9.93	7.80	6.60	0.00	NA	8.09
2015	IL	Total Electric Industry	12.50	9.02	6.67	6.81	NA	9.40
2015	IN	Total Electric Industry	11.57	9.78	6.86	9.92	NA	8.99
2015	KS	Total Electric Industry	12.34	10.10	7.61	0.00	NA	10.14
2015	KY	Total Electric Industry	10.24	9.44	5.48	0.00	NA	8.14
2015	LA	Total Electric Industry	9.33	8.66	5.41	8.28	NA	7.65
2015	MA	Total Electric Industry	19.83	15.79	13.54	7.76	NA	16.90
2015	MD	Total Electric Industry	13.82	11.00	8.53	8.34	NA	12.07
2015	ME	Total Electric Industry	15.61	12.47	9.05	0.00	NA	12.78
2015	MI	Total Electric Industry	14.42	10.55	7.02	11.44	NA	10.76
2015	MN	Total Electric Industry	12.12	9.44	7.02	9.50	NA	9.53
2015	MO	Total Electric Industry	11.21	9.16	6.44	8.36	NA	9.44
2015	MS	Total Electric Industry	11.27	10.55	6.56	0.00	NA	9.53
2015	MT	Total Electric Industry	10.88	10.23	5.32	0.00	NA	8.90
2015	NC	Total Electric Industry	11.28	8.73	6.51	7.90	NA	9.37
2015	ND	Total Electric Industry	9.62	8.83	8.07	0.00	NA	8.75
2015	NE	Total Electric Industry	10.60	8.67	7.59	0.00	NA	8.91
2015	NH	Total Electric Industry	18.50	14.96	12.74	0.00	NA	16.02
2015	NJ	Total Electric Industry	15.81	12.79	10.64	10.25	NA	13.74
2015	NM	Total Electric Industry	12.47	10.30	6.33	0.00	NA	9.62
2015	NV	Total Electric Industry	12.76	9.25	6.75	9.11	NA	9.48
2015	NY	Total Electric Industry	18.54	15.31	6.31	12.95	NA	15.28
2015	OH	Total Electric Industry	12.80	10.07	7.02	7.69	NA	9.98
2015	OK	Total Electric Industry	10.14	7.68	5.35	0.00	NA	7.90
2015	OR	Total Electric Industry	10.66	8.80	5.97	9.14	NA	8.75
2015	PA	Total Electric Industry	13.64	9.60	7.20	7.82	NA	10.31
2015	RI	Total Electric Industry	19.29	15.78	13.76	18.54	NA	17.01
2015	SC	Total Electric Industry	12.57	10.21	6.05	0.00	NA	9.58
2015	SD	Total Electric Industry	11.08	9.16	7.37	0.00	NA	9.47
2015	TN	Total Electric Industry	10.30	10.16	6.17	0.00	NA	9.30
2015	TX	Total Electric Industry	11.56	8.15	5.59	5.34	NA	8.70
2015	UT	Total Electric Industry	10.88	8.62	6.17	10.05	NA	8.54
2015	VA	Total Electric Industry	11.37	8.21	6.95	8.11	NA	9.31
2015	VT	Total Electric Industry	17.09	14.54	10.27	0.00	NA	14.41
2015	WA	Total Electric Industry	9.09	8.22	4.35	8.18	NA	7.40
2015	WI	Total Electric Industry	14.11	10.89	7.58	14.66	NA	10.73
2015	WV	Total Electric Industry	10.08	8.61	6.09	0.00	NA	8.11
2015	WY	Total Electric Industry	10.97	9.12	6.76	0.00	NA	7.97
2015	US	Total Electric Industry	12.65	10.64	6.91	10.09	NA	10.41
2015	AK	Full-Service Providers	19.83	17.44	14.53	0.00	NA	17.59
2015	AL	Full-Service Providers	11.70	10.83	6.03	0.00	NA	9.33
2015	AR	Full-Service Providers	9.82	8.32	6.23	11.21	NA	8.19
2015	AZ	Full-Service Providers	12.13	10.39	6.26	9.40	NA	10.34
2015	CA	Full-Service Providers	16.97	16.25	12.90	11.20	NA	15.91
2015	CO	Full-Service Providers	12.12	9.88	7.40	10.08	NA	9.94
2015	CT	Full-Service Providers	20.38	16.56	11.29	0.00	NA	18.77
2015	DC	Full-Service Providers	12.30	12.23	0.00	0.00	NA	12.27
2015	DE	Full-Service Providers	13.29	12.26	9.96	0.00	NA	12.62
2015	FL	Full-Service Providers	11.58	9.50	8.22	8.92	NA	10.49
2015	GA	Full-Service Providers	11.54	9.89	5.87	5.27	NA	9.62
2015	HI	Full-Service Providers	29.60	26.93	23.06	0.00	NA	26.17
2015	IA	Full-Service Providers	11.63	8.92	5.90	0.00	NA	8.35
2015	ID	Full-Service Providers	9.93	7.80	6.60	0.00	NA	8.09
2015	IL	Full-Service Providers	12.55	10.05	6.66	0.00	NA	10.83
2015	IN	Full-Service Providers	11.57	9.78	6.86	9.92	NA	8.99
2015	KS	Full-Service Providers	12.34	10.10	7.61	0.00	NA	10.14
2015	KY	Full-Service Providers	10.24	9.44	5.48	0.00	NA	8.14
2015	LA	Full-Service Providers	9.33	8.66	5.41	8.28	NA	7.65
2015	MA	Full-Service Providers	19.40	16.71	13.21	23.64	NA	17.88
2015	MD	Full-Service Providers	13.43	12.05	9.71	0.00	NA	13.03
2015	ME	Full-Service Providers	14.84	12.27	10.17	0.00	NA	13.85
2015	MI	Full-Service Providers	14.42	10.96	7.32	11.44	NA	11.20
2015	MN	Full-Service Providers	12.12	9.44	7.02	9.50	NA	9.53
2015	MO	Full-Service Providers	11.21	9.16	6.44	8.36	NA	9.44

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2015	MS	Full-Service Providers	11.27	10.55	6.56	0.00	NA	9.53
2015	MT	Full-Service Providers	10.88	10.36	7.41	0.00	NA	10.09
2015	NC	Full-Service Providers	11.28	8.73	6.51	7.90	NA	9.37
2015	ND	Full-Service Providers	9.62	8.83	8.07	0.00	NA	8.75
2015	NE	Full-Service Providers	10.60	8.67	7.59	0.00	NA	8.91
2015	NH	Full-Service Providers	18.62	18.20	19.43	0.00	NA	18.54
2015	NJ	Full-Service Providers	15.61	13.02	8.11	9.05	NA	14.48
2015	NM	Full-Service Providers	12.47	10.30	6.33	0.00	NA	9.62
2015	NV	Full-Service Providers	12.76	9.52	7.11	9.11	NA	9.79
2015	NY	Full-Service Providers	17.80	16.72	6.16	13.19	NA	16.88
2015	OH	Full-Service Providers	12.77	11.22	7.52	11.11	NA	11.24
2015	OK	Full-Service Providers	10.14	7.68	5.35	0.00	NA	7.90
2015	OR	Full-Service Providers	10.66	8.88	6.04	9.14	NA	8.87
2015	PA	Full-Service Providers	13.16	11.46	8.48	0.00	NA	12.54
2015	RI	Full-Service Providers	19.20	17.79	17.09	0.00	NA	18.65
2015	SC	Full-Service Providers	12.57	10.21	6.05	0.00	NA	9.58
2015	SD	Full-Service Providers	11.08	9.16	7.37	0.00	NA	9.47
2015	TN	Full-Service Providers	10.30	10.16	6.17	0.00	NA	9.30
2015	TX	Full-Service Providers	11.56	8.15	5.59	5.34	NA	8.70
2015	UT	Full-Service Providers	10.88	8.62	6.17	10.05	NA	8.54
2015	VA	Full-Service Providers	11.37	8.22	6.94	8.11	NA	9.31
2015	VT	Full-Service Providers	17.09	14.54	10.27	0.00	NA	14.41
2015	WA	Full-Service Providers	9.09	8.23	4.39	8.18	NA	7.48
2015	WI	Full-Service Providers	14.11	10.89	7.58	14.66	NA	10.73
2015	WV	Full-Service Providers	10.08	8.61	6.09	0.00	NA	8.11
2015	WY	Full-Service Providers	10.97	9.12	6.76	0.00	NA	7.97
2015	US	Full-Service Providers	12.45	10.39	6.80	9.71	NA	10.33
2015	CA	Restructured Retail Service Providers	17.85	12.50	9.21	6.21	NA	11.55
2015	CT	Restructured Retail Service Providers	21.97	15.77	13.48	13.18	NA	17.04
2015	DC	Restructured Retail Service Providers	15.27	11.96	8.78	9.00	NA	11.98
2015	DE	Restructured Retail Service Providers	15.20	8.85	7.29	0.00	NA	8.80
2015	IL	Restructured Retail Service Providers	12.45	8.56	6.67	6.81	NA	8.70
2015	MA	Restructured Retail Service Providers	21.28	15.41	13.77	7.76	NA	15.99
2015	MD	Restructured Retail Service Providers	15.24	10.68	8.36	8.34	NA	11.21
2015	ME	Restructured Retail Service Providers	18.69	12.63	8.96	0.00	NA	11.79
2015	MI	Restructured Retail Service Providers	12.47	7.12	5.61	0.00	NA	6.27
2015	MT	Restructured Retail Service Providers	11.67	5.76	3.78	0.00	NA	3.88
2015	NH	Restructured Retail Service Providers	17.92	12.68	11.29	0.00	NA	13.05
2015	NJ	Restructured Retail Service Providers	17.14	12.68	11.29	10.30	NA	12.91
2015	NV	Restructured Retail Service Providers	0.00	6.92	3.25	0.00	NA	4.83
2015	NY	Restructured Retail Service Providers	21.74	14.61	6.34	12.92	NA	13.83
2015	OH	Restructured Retail Service Providers	12.84	9.72	6.87	7.35	NA	9.30
2015	OR	Restructured Retail Service Providers	0.00	6.98	5.34	0.00	NA	5.91
2015	PA	Restructured Retail Service Providers	14.51	9.03	7.12	7.82	NA	9.23
2015	RI	Restructured Retail Service Providers	20.30	14.42	12.72	18.54	NA	14.61
2015	VA	Restructured Retail Service Providers	0.00	6.34	8.88	0.00	NA	6.95
2015	WA	Restructured Retail Service Providers	0.00	4.06	3.83	0.00	NA	3.83
2015	US	Restructured Retail Service Providers	15.35	11.62	7.38	10.20	NA	10.87
2015	CA	Energy-Only Providers	7.78	5.89	4.90	5.08	NA	5.64
2015	CT	Energy-Only Providers	11.76	8.93	8.36	9.23	NA	9.60
2015	DC	Energy-Only Providers	11.06	7.74	7.42	5.93	NA	7.89
2015	DE	Energy-Only Providers	10.32	6.90	6.50	0.00	NA	7.03
2015	IL	Energy-Only Providers	6.60	5.97	5.43	5.35	NA	5.90
2015	MA	Energy-Only Providers	13.01	9.42	8.91	6.93	NA	9.89
2015	MD	Energy-Only Providers	10.32	7.51	6.42	6.79	NA	7.89
2015	ME	Energy-Only Providers	10.73	8.08	6.78	0.00	NA	7.86
2015	MI	Energy-Only Providers	6.15	5.56	4.93	0.00	NA	5.21
2015	MT	Energy-Only Providers	6.67	3.46	3.28	0.00	NA	3.29
2015	NH	Energy-Only Providers	11.32	8.31	8.16	0.00	NA	8.73
2015	NJ	Energy-Only Providers	12.41	8.52	7.61	7.70	NA	8.78
2015	NV	Energy-Only Providers	0.00	6.64	3.11	0.00	NA	4.63
2015	NY	Energy-Only Providers	11.19	7.83	4.56	7.58	NA	7.61
2015	OH	Energy-Only Providers	6.92	5.82	5.25	5.01	NA	5.85
2015	OR	Energy-Only Providers	0.00	4.26	3.87	0.00	NA	4.00
2015	PA	Energy-Only Providers	8.94	6.96	6.22	6.37	NA	7.01
2015	RI	Energy-Only Providers	12.14	8.74	7.87	10.58	NA	8.86
2015	VA	Energy-Only Providers	0.00	5.73	8.29	0.00	NA	6.34
2015	WA	Energy-Only Providers	0.00	3.27	3.34	0.00	NA	3.33
2015	US	Energy-Only Providers	8.76	7.24	5.68	6.92	NA	6.99
2015	CA	Delivery-Only Service	10.07	6.61	4.30	1.13	NA	5.91
2015	CT	Delivery-Only Service	10.21	6.83	5.12	3.94	NA	7.44
2015	DC	Delivery-Only Service	4.21	4.23	1.37	3.07	NA	4.09
2015	DE	Delivery-Only Service	4.88	1.94	0.79	0.00	NA	1.77
2015	IL	Delivery-Only Service	5.84	2.58	1.23	1.45	NA	2.80
2015	MA	Delivery-Only Service	8.27	5.99	4.86	0.83	NA	6.10
2015	MD	Delivery-Only Service	4.92	3.17	1.94	1.55	NA	3.33

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2015	ME	Delivery-Only Service	7.95	4.56	2.18	0.00	NA	3.93
2015	MI	Delivery-Only Service	6.31	1.55	0.68	0.00	NA	1.06
2015	MT	Delivery-Only Service	5.00	2.30	0.50	0.00	NA	0.59
2015	NH	Delivery-Only Service	6.60	4.37	3.13	0.00	NA	4.32
2015	NJ	Delivery-Only Service	4.73	4.16	3.68	2.60	NA	4.13
2015	NV	Delivery-Only Service	0.00	0.28	0.13	0.00	NA	0.20
2015	NY	Delivery-Only Service	10.55	6.77	1.77	5.34	NA	6.23
2015	OH	Delivery-Only Service	5.92	3.90	1.61	2.34	NA	3.46
2015	OR	Delivery-Only Service	0.00	2.72	1.47	0.00	NA	1.90
2015	PA	Delivery-Only Service	5.57	2.07	0.91	1.45	NA	2.22
2015	RI	Delivery-Only Service	8.16	5.68	4.86	7.95	NA	5.75
2015	VA	Delivery-Only Service	0.00	0.61	0.60	0.00	NA	0.61
2015	WA	Delivery-Only Service	0.00	0.79	0.49	0.00	NA	0.50
2015	US	Delivery-Only Service	6.59	4.38	1.70	3.28	NA	3.88
2014	AK	Total Electric Industry	19.14	17.09	15.66	0.00	NA	17.46
2014	AL	Total Electric Industry	11.48	10.79	6.15	0.00	NA	9.27
2014	AR	Total Electric Industry	9.51	8.05	6.02	11.35	NA	7.90
2014	AZ	Total Electric Industry	11.90	10.13	6.46	0.00	NA	10.18
2014	CA	Total Electric Industry	16.25	15.62	12.34	8.90	NA	15.15
2014	CO	Total Electric Industry	12.18	10.08	7.47	10.79	NA	10.06
2014	CT	Total Electric Industry	19.75	15.55	12.92	13.08	NA	17.05
2014	DC	Total Electric Industry	12.74	12.19	8.41	8.80	NA	12.11
2014	DE	Total Electric Industry	13.29	10.50	8.58	0.00	NA	11.22
2014	FL	Total Electric Industry	11.89	9.87	7.90	9.25	NA	10.77
2014	GA	Total Electric Industry	11.65	10.36	6.64	6.98	NA	10.03
2014	HI	Total Electric Industry	37.04	34.21	30.22	0.00	NA	33.43
2014	IA	Total Electric Industry	11.16	8.67	5.71	0.00	NA	8.15
2014	ID	Total Electric Industry	9.72	7.78	6.40	0.00	NA	7.93
2014	IL	Total Electric Industry	11.91	9.26	6.85	6.85	NA	9.36
2014	IN	Total Electric Industry	11.46	9.96	6.97	10.20	NA	9.06
2014	KS	Total Electric Industry	12.17	10.13	7.80	0.00	NA	10.16
2014	KY	Total Electric Industry	10.16	9.44	5.68	0.00	NA	8.15
2014	LA	Total Electric Industry	9.57	9.10	6.05	9.27	NA	8.09
2014	MA	Total Electric Industry	17.39	14.68	12.74	8.76	NA	15.35
2014	MD	Total Electric Industry	13.63	11.15	9.04	8.50	NA	12.10
2014	ME	Total Electric Industry	15.27	12.70	8.95	0.00	NA	12.65
2014	MI	Total Electric Industry	14.46	10.87	7.68	9.43	NA	11.03
2014	MN	Total Electric Industry	12.01	9.85	6.72	9.79	NA	9.52
2014	MO	Total Electric Industry	10.64	8.90	6.36	7.81	NA	9.11
2014	MS	Total Electric Industry	11.32	10.76	6.60	0.00	NA	9.60
2014	MT	Total Electric Industry	10.18	9.64	5.49	0.00	NA	8.59
2014	NC	Total Electric Industry	11.10	8.75	6.50	7.84	NA	9.33
2014	ND	Total Electric Industry	9.15	8.79	7.62	0.00	NA	8.41
2014	NE	Total Electric Industry	10.40	8.73	7.47	0.00	NA	8.84
2014	NH	Total Electric Industry	17.53	14.34	11.93	0.00	NA	15.22
2014	NJ	Total Electric Industry	15.78	13.15	11.38	10.43	NA	13.95
2014	NM	Total Electric Industry	12.28	10.27	6.61	0.00	NA	9.65
2014	NV	Total Electric Industry	12.93	9.47	7.12	9.25	NA	9.73
2014	NY	Total Electric Industry	20.07	16.12	6.58	13.82	NA	16.25
2014	OH	Total Electric Industry	12.50	9.83	6.77	8.78	NA	9.73
2014	OK	Total Electric Industry	10.03	8.09	5.85	0.00	NA	8.18
2014	OR	Total Electric Industry	10.47	8.75	5.97	9.21	NA	8.68
2014	PA	Total Electric Industry	13.32	9.73	7.41	7.65	NA	10.28
2014	RI	Total Electric Industry	17.17	14.56	12.86	14.89	NA	15.41
2014	SC	Total Electric Industry	12.45	10.28	6.29	0.00	NA	9.67
2014	SD	Total Electric Industry	10.47	8.89	6.99	0.00	NA	9.05
2014	TN	Total Electric Industry	10.32	10.38	6.40	8.57	NA	9.40
2014	TX	Total Electric Industry	11.86	8.16	6.16	5.17	NA	8.94
2014	UT	Total Electric Industry	10.65	8.53	6.08	10.34	NA	8.35
2014	VA	Total Electric Industry	11.10	8.15	6.89	8.24	NA	9.17
2014	VT	Total Electric Industry	17.47	14.56	10.23	0.00	NA	14.57
2014	WA	Total Electric Industry	8.67	7.97	4.32	8.48	NA	7.13
2014	WI	Total Electric Industry	13.67	10.77	7.52	0.00	NA	10.57
2014	WV	Total Electric Industry	9.34	7.99	5.87	0.00	NA	7.65
2014	WY	Total Electric Industry	10.50	8.88	6.61	0.00	NA	7.76
2014	US	Total Electric Industry	12.52	10.74	7.10	10.45	NA	10.44
2014	AK	Full-Service Providers	19.14	17.09	15.66	0.00	NA	17.46
2014	AL	Full-Service Providers	11.48	10.79	6.15	0.00	NA	9.27
2014	AR	Full-Service Providers	9.51	8.05	6.02	11.35	NA	7.90
2014	AZ	Full-Service Providers	11.90	10.13	6.46	0.00	NA	10.18
2014	CA	Full-Service Providers	16.24	16.04	12.81	10.75	NA	15.52
2014	CO	Full-Service Providers	12.18	10.08	7.47	10.79	NA	10.06
2014	CT	Full-Service Providers	18.57	15.40	11.88	14.22	NA	17.06
2014	DC	Full-Service Providers	12.49	12.24	0.00	0.00	NA	12.38
2014	DE	Full-Service Providers	13.15	11.57	9.97	0.00	NA	12.36
2014	FL	Full-Service Providers	11.89	9.87	7.90	9.25	NA	10.77

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2014	GA	Full-Service Providers	11.65	10.36	6.64	6.98	NA	10.03
2014	HI	Full-Service Providers	37.04	34.21	30.22	0.00	NA	33.43
2014	IA	Full-Service Providers	11.16	8.67	5.71	0.00	NA	8.15
2014	ID	Full-Service Providers	9.72	7.78	6.40	0.00	NA	7.93
2014	IL	Full-Service Providers	11.86	10.03	6.98	0.00	NA	10.41
2014	IN	Full-Service Providers	11.46	9.96	6.97	10.20	NA	9.06
2014	KS	Full-Service Providers	12.17	10.13	7.80	0.00	NA	10.16
2014	KY	Full-Service Providers	10.16	9.44	5.68	0.00	NA	8.15
2014	LA	Full-Service Providers	9.57	9.10	6.05	9.27	NA	8.09
2014	MA	Full-Service Providers	17.08	15.27	12.79	20.11	NA	16.01
2014	MD	Full-Service Providers	13.28	12.19	9.65	0.00	NA	12.91
2014	ME	Full-Service Providers	14.27	12.08	10.43	0.00	NA	12.86
2014	MI	Full-Service Providers	14.46	11.27	8.14	9.43	NA	11.58
2014	MN	Full-Service Providers	12.01	9.85	6.72	9.79	NA	9.52
2014	MO	Full-Service Providers	10.64	8.90	6.36	7.81	NA	9.11
2014	MS	Full-Service Providers	11.32	10.76	6.60	0.00	NA	9.60
2014	MT	Full-Service Providers	10.18	9.74	7.15	0.00	NA	9.54
2014	NC	Full-Service Providers	11.10	8.75	6.50	7.84	NA	9.33
2014	ND	Full-Service Providers	9.15	8.79	7.62	0.00	NA	8.41
2014	NE	Full-Service Providers	10.40	8.73	7.47	0.00	NA	8.84
2014	NH	Full-Service Providers	17.93	17.05	19.80	0.00	NA	17.76
2014	NJ	Full-Service Providers	15.37	13.30	9.18	0.00	NA	14.45
2014	NM	Full-Service Providers	12.28	10.27	6.61	0.00	NA	9.65
2014	NV	Full-Service Providers	12.93	9.75	7.37	9.25	NA	9.99
2014	NY	Full-Service Providers	19.52	18.22	7.40	15.61	NA	18.45
2014	OH	Full-Service Providers	12.87	11.64	7.36	12.49	NA	11.25
2014	OK	Full-Service Providers	10.03	8.09	5.85	0.00	NA	8.18
2014	OR	Full-Service Providers	10.47	8.80	5.93	9.21	NA	8.76
2014	PA	Full-Service Providers	12.83	11.24	9.25	0.00	NA	12.26
2014	RI	Full-Service Providers	17.10	15.52	14.86	0.00	NA	16.38
2014	SC	Full-Service Providers	12.45	10.28	6.29	0.00	NA	9.67
2014	SD	Full-Service Providers	10.47	8.89	6.99	0.00	NA	9.05
2014	TN	Full-Service Providers	10.32	10.38	6.40	8.57	NA	9.40
2014	TX	Full-Service Providers	11.86	8.16	6.16	5.17	NA	8.94
2014	UT	Full-Service Providers	10.65	8.53	6.08	10.34	NA	8.35
2014	VA	Full-Service Providers	11.10	8.15	6.89	8.24	NA	9.17
2014	VT	Full-Service Providers	17.47	14.56	10.23	0.00	NA	14.57
2014	WA	Full-Service Providers	8.67	7.97	4.32	8.48	NA	7.19
2014	WI	Full-Service Providers	13.67	10.77	7.52	0.00	NA	10.57
2014	WV	Full-Service Providers	9.34	7.99	5.87	0.00	NA	7.65
2014	WY	Full-Service Providers	10.50	8.88	6.61	0.00	NA	7.76
2014	US	Full-Service Providers	12.34	10.51	7.02	10.49	NA	10.37
2014	CA	Restructured Retail Service Providers	17.06	12.78	10.41	6.52	NA	11.89
2014	CT	Restructured Retail Service Providers	21.64	15.61	13.37	12.36	NA	17.03
2014	DC	Restructured Retail Service Providers	14.02	12.19	8.41	8.80	NA	12.01
2014	DE	Restructured Retail Service Providers	15.10	9.81	7.83	0.00	NA	9.49
2014	IL	Restructured Retail Service Providers	11.96	8.92	6.83	6.85	NA	8.89
2014	MA	Restructured Retail Service Providers	19.02	14.34	12.71	8.76	NA	14.57
2014	MD	Restructured Retail Service Providers	14.75	10.79	8.91	8.50	NA	11.36
2014	ME	Restructured Retail Service Providers	15.29	12.71	8.93	0.00	NA	12.65
2014	MI	Restructured Retail Service Providers	14.07	7.62	6.09	0.00	NA	6.64
2014	MT	Restructured Retail Service Providers	10.00	6.03	4.32	0.00	NA	4.40
2014	NH	Restructured Retail Service Providers	15.83	12.28	10.19	0.00	NA	12.22
2014	NJ	Restructured Retail Service Providers	17.86	13.08	11.95	10.43	NA	13.46
2014	NV	Restructured Retail Service Providers	0.00	7.19	4.26	0.00	NA	5.65
2014	NY	Restructured Retail Service Providers	22.28	15.03	6.40	13.55	NA	14.27
2014	OH	Restructured Retail Service Providers	12.03	9.28	6.56	8.41	NA	8.89
2014	OR	Restructured Retail Service Providers	0.00	7.74	6.34	0.00	NA	6.86
2014	PA	Restructured Retail Service Providers	14.11	9.25	7.30	7.65	NA	9.36
2014	RI	Restructured Retail Service Providers	18.28	13.51	11.97	14.89	NA	13.50
2014	VA	Restructured Retail Service Providers	0.00	8.21	8.15	0.00	NA	8.20
2014	WA	Restructured Retail Service Providers	0.00	0.00	4.42	0.00	NA	4.42
2014	US	Restructured Retail Service Providers	14.70	11.69	7.48	10.44	NA	10.87
2014	CA	Energy-Only Providers	7.94	6.49	6.11	5.39	NA	6.37
2014	CT	Energy-Only Providers	11.79	8.52	8.11	8.25	NA	9.42
2014	DC	Energy-Only Providers	10.06	8.06	7.04	5.71	NA	8.02
2014	DE	Energy-Only Providers	10.12	7.65	7.05	0.00	NA	7.62
2014	IL	Energy-Only Providers	6.77	6.57	5.72	5.57	NA	6.29
2014	MA	Energy-Only Providers	10.71	8.40	7.90	7.90	NA	8.60
2014	MD	Energy-Only Providers	10.15	7.76	7.04	7.03	NA	8.16
2014	ME	Energy-Only Providers	7.41	7.67	6.69	0.00	NA	7.29
2014	MI	Energy-Only Providers	7.26	5.54	5.39	0.00	NA	5.44
2014	MT	Energy-Only Providers	4.29	3.72	3.81	0.00	NA	3.80
2014	NH	Energy-Only Providers	9.60	8.05	7.19	0.00	NA	8.04
2014	NJ	Energy-Only Providers	13.06	8.71	8.19	7.60	NA	9.15
2014	NV	Energy-Only Providers	0.00	6.88	4.13	0.00	NA	5.43

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2014	NY	Energy-Only Providers	12.02	8.39	4.68	8.43	NA	8.15
2014	OH	Energy-Only Providers	6.51	5.65	5.10	6.57	NA	5.65
2014	OR	Energy-Only Providers	0.00	4.74	4.62	0.00	NA	4.66
2014	PA	Energy-Only Providers	9.13	7.32	6.53	6.37	NA	7.32
2014	RI	Energy-Only Providers	10.39	7.90	7.56	7.79	NA	8.00
2014	VA	Energy-Only Providers	0.00	7.42	7.62	0.00	NA	7.46
2014	WA	Energy-Only Providers	0.00	0.00	3.97	0.00	NA	3.97
2014	US	Energy-Only Providers	8.59	7.43	5.90	7.31	NA	7.15
2014	CA	Delivery-Only Service	9.12	6.29	4.30	1.13	NA	5.52
2014	CT	Delivery-Only Service	9.85	7.09	5.26	4.11	NA	7.61
2014	DC	Delivery-Only Service	3.96	4.13	1.37	3.09	NA	4.00
2014	DE	Delivery-Only Service	4.98	2.16	0.78	0.00	NA	1.87
2014	IL	Delivery-Only Service	5.19	2.35	1.10	1.28	NA	2.60
2014	MA	Delivery-Only Service	8.31	5.94	4.81	0.85	NA	5.97
2014	MD	Delivery-Only Service	4.60	3.03	1.87	1.47	NA	3.20
2014	ME	Delivery-Only Service	7.88	5.04	2.24	0.00	NA	5.35
2014	MI	Delivery-Only Service	6.82	2.08	0.70	0.00	NA	1.19
2014	MT	Delivery-Only Service	5.71	2.31	0.51	0.00	NA	0.60
2014	NH	Delivery-Only Service	6.23	4.24	3.00	0.00	NA	4.18
2014	NJ	Delivery-Only Service	4.80	4.37	3.77	2.83	NA	4.31
2014	NV	Delivery-Only Service	0.00	0.30	0.14	0.00	NA	0.22
2014	NY	Delivery-Only Service	10.25	6.64	1.71	5.12	NA	6.12
2014	OH	Delivery-Only Service	5.53	3.63	1.46	1.84	NA	3.25
2014	OR	Delivery-Only Service	0.00	3.00	1.72	0.00	NA	2.20
2014	PA	Delivery-Only Service	4.99	1.94	0.77	1.28	NA	2.03
2014	RI	Delivery-Only Service	7.89	5.61	4.41	7.10	NA	5.50
2014	VA	Delivery-Only Service	0.00	0.79	0.53	0.00	NA	0.74
2014	WA	Delivery-Only Service	0.00	0.00	0.45	0.00	NA	0.45
2014	US	Delivery-Only Service	6.11	4.26	1.58	3.12	NA	3.72
2013	AK	Total Electric Industry	18.12	15.58	15.83	0.00	NA	16.49
2013	AL	Total Electric Industry	11.26	10.51	5.95	0.00	NA	9.02
2013	AR	Total Electric Industry	9.59	8.05	6.04	11.58	NA	7.93
2013	AZ	Total Electric Industry	11.71	9.85	6.66	0.00	NA	10.14
2013	CA	Total Electric Industry	16.23	14.20	11.44	8.54	NA	14.30
2013	CO	Total Electric Industry	11.93	9.86	7.34	10.55	NA	9.88
2013	CT	Total Electric Industry	17.55	14.63	12.61	10.31	NA	15.66
2013	DC	Total Electric Industry	12.57	11.94	5.54	9.52	NA	11.85
2013	DE	Total Electric Industry	12.95	10.20	8.43	0.00	NA	10.90
2013	FL	Total Electric Industry	11.27	9.39	7.61	8.69	NA	10.22
2013	GA	Total Electric Industry	11.46	9.99	6.27	8.03	NA	9.69
2013	HI	Total Electric Industry	36.98	34.05	29.87	0.00	NA	33.26
2013	IA	Total Electric Industry	11.04	8.44	5.62	0.00	NA	8.07
2013	ID	Total Electric Industry	9.32	7.37	6.09	0.00	NA	7.57
2013	IL	Total Electric Industry	10.63	8.14	5.94	5.34	NA	8.26
2013	IN	Total Electric Industry	10.99	9.60	6.70	9.87	NA	8.73
2013	KS	Total Electric Industry	11.64	9.68	7.39	0.00	NA	9.72
2013	KY	Total Electric Industry	9.79	8.56	5.66	0.00	NA	7.69
2013	LA	Total Electric Industry	9.43	8.96	5.92	9.45	NA	8.04
2013	MA	Total Electric Industry	15.83	14.23	13.18	13.06	NA	14.51
2013	MD	Total Electric Industry	13.25	10.68	8.36	8.47	NA	11.66
2013	ME	Total Electric Industry	14.35	11.74	8.34	0.00	NA	11.86
2013	MI	Total Electric Industry	14.59	11.06	7.72	8.77	NA	11.21
2013	MN	Total Electric Industry	11.81	9.42	6.98	9.79	NA	9.41
2013	MO	Total Electric Industry	10.60	8.80	6.29	7.81	NA	9.04
2013	MS	Total Electric Industry	10.78	10.10	6.34	0.00	NA	9.11
2013	MT	Total Electric Industry	10.33	9.54	5.43	0.00	NA	8.58
2013	NC	Total Electric Industry	10.97	8.76	6.45	7.94	NA	9.24
2013	ND	Total Electric Industry	9.12	8.39	7.13	0.00	NA	8.20
2013	NE	Total Electric Industry	10.31	8.60	7.44	0.00	NA	8.74
2013	NH	Total Electric Industry	16.33	13.52	11.40	0.00	NA	14.30
2013	NJ	Total Electric Industry	15.73	12.77	10.80	10.60	NA	13.70
2013	NM	Total Electric Industry	11.68	9.74	6.36	0.00	NA	9.25
2013	NV	Total Electric Industry	11.89	9.01	6.52	8.47	NA	9.03
2013	NY	Total Electric Industry	18.79	15.35	6.58	13.65	NA	15.44
2013	OH	Total Electric Industry	12.01	9.35	6.22	6.62	NA	9.20
2013	OK	Total Electric Industry	9.67	7.77	5.49	0.00	NA	7.86
2013	OR	Total Electric Industry	9.90	8.68	5.80	8.88	NA	8.44
2013	PA	Total Electric Industry	12.79	9.25	6.97	7.81	NA	9.81
2013	RI	Total Electric Industry	15.20	12.92	11.82	13.03	NA	13.72
2013	SC	Total Electric Industry	11.99	9.88	6.01	0.00	NA	9.24
2013	SD	Total Electric Industry	10.26	8.51	6.97	0.00	NA	8.86
2013	TN	Total Electric Industry	9.98	10.00	6.29	11.68	NA	9.13
2013	TX	Total Electric Industry	11.35	8.02	5.81	10.19	NA	8.66
2013	UT	Total Electric Industry	10.37	8.32	5.87	10.68	NA	8.15
2013	VA	Total Electric Industry	10.84	8.00	6.63	8.17	NA	8.96
2013	VT	Total Electric Industry	17.14	14.66	10.84	0.00	NA	14.61

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2013	WA	Total Electric Industry	8.70	7.78	4.23	8.04	NA	7.09
2013	WI	Total Electric Industry	13.55	10.75	7.40	0.00	NA	10.51
2013	WV	Total Electric Industry	9.52	8.17	6.20	8.68	NA	7.91
2013	WY	Total Electric Industry	10.16	8.57	6.42	0.00	NA	7.55
2013	US	Total Electric Industry	12.13	10.26	6.89	10.55	NA	10.07
2013	AK	Full-Service Providers	18.12	15.58	15.83	0.00	NA	16.49
2013	AL	Full-Service Providers	11.26	10.51	5.95	0.00	NA	9.02
2013	AR	Full-Service Providers	9.59	8.05	6.04	11.58	NA	7.93
2013	AZ	Full-Service Providers	11.71	9.85	6.66	0.00	NA	10.14
2013	CA	Full-Service Providers	16.21	14.54	11.85	9.89	NA	14.65
2013	CO	Full-Service Providers	11.93	9.86	7.34	10.55	NA	9.88
2013	CT	Full-Service Providers	16.62	14.09	10.59	0.00	NA	15.44
2013	DC	Full-Service Providers	12.54	12.44	0.00	0.00	NA	12.50
2013	DE	Full-Service Providers	12.93	12.05	10.15	0.00	NA	12.37
2013	FL	Full-Service Providers	11.27	9.39	7.61	8.69	NA	10.22
2013	GA	Full-Service Providers	11.46	9.99	6.27	8.03	NA	9.69
2013	HI	Full-Service Providers	36.98	34.05	29.87	0.00	NA	33.26
2013	IA	Full-Service Providers	11.04	8.44	5.62	0.00	NA	8.07
2013	ID	Full-Service Providers	9.32	7.37	6.09	0.00	NA	7.57
2013	IL	Full-Service Providers	11.04	9.22	6.24	6.05	NA	9.67
2013	IN	Full-Service Providers	10.99	9.60	6.70	9.87	NA	8.73
2013	KS	Full-Service Providers	11.64	9.68	7.39	0.00	NA	9.72
2013	KY	Full-Service Providers	9.79	8.56	5.66	0.00	NA	7.69
2013	LA	Full-Service Providers	9.43	8.96	5.92	9.45	NA	8.04
2013	MA	Full-Service Providers	15.64	14.72	12.75	0.00	NA	14.97
2013	MD	Full-Service Providers	13.19	11.63	8.92	0.00	NA	12.70
2013	ME	Full-Service Providers	13.78	11.76	10.01	0.00	NA	12.42
2013	MI	Full-Service Providers	14.59	11.51	8.12	8.77	NA	11.71
2013	MN	Full-Service Providers	11.81	9.42	6.98	9.79	NA	9.41
2013	MO	Full-Service Providers	10.60	8.80	6.29	7.81	NA	9.04
2013	MS	Full-Service Providers	10.78	10.10	6.34	0.00	NA	9.11
2013	MT	Full-Service Providers	10.33	9.64	7.22	0.00	NA	9.58
2013	NC	Full-Service Providers	10.97	8.76	6.45	7.94	NA	9.24
2013	ND	Full-Service Providers	9.12	8.39	7.13	0.00	NA	8.20
2013	NE	Full-Service Providers	10.31	8.60	7.44	0.00	NA	8.74
2013	NH	Full-Service Providers	16.83	16.24	18.80	0.00	NA	16.75
2013	NJ	Full-Service Providers	15.60	13.37	9.01	0.00	NA	14.64
2013	NM	Full-Service Providers	11.68	9.74	6.36	0.00	NA	9.25
2013	NV	Full-Service Providers	11.89	9.27	6.77	8.47	NA	9.28
2013	NY	Full-Service Providers	18.46	17.24	7.05	14.40	NA	17.40
2013	OH	Full-Service Providers	12.44	11.35	6.68	8.92	NA	10.70
2013	OK	Full-Service Providers	9.67	7.77	5.49	0.00	NA	7.86
2013	OR	Full-Service Providers	9.90	8.72	5.76	8.88	NA	8.51
2013	PA	Full-Service Providers	12.64	10.87	7.95	0.00	NA	11.97
2013	RI	Full-Service Providers	15.17	13.34	12.49	0.00	NA	14.40
2013	SC	Full-Service Providers	11.99	9.88	6.01	0.00	NA	9.24
2013	SD	Full-Service Providers	10.26	8.51	6.97	0.00	NA	8.86
2013	TN	Full-Service Providers	9.98	10.00	6.29	11.68	NA	9.13
2013	TX	Full-Service Providers	11.35	8.02	5.81	10.19	NA	8.66
2013	UT	Full-Service Providers	10.37	8.32	5.87	10.68	NA	8.15
2013	VA	Full-Service Providers	10.84	8.00	6.63	8.17	NA	8.96
2013	VT	Full-Service Providers	17.14	14.66	10.84	0.00	NA	14.61
2013	WA	Full-Service Providers	8.70	7.79	4.21	8.04	NA	7.15
2013	WI	Full-Service Providers	13.55	10.74	7.40	0.00	NA	10.51
2013	WV	Full-Service Providers	9.52	8.17	6.20	8.68	NA	7.91
2013	WY	Full-Service Providers	10.16	8.57	6.42	0.00	NA	7.55
2013	US	Full-Service Providers	12.02	10.09	6.81	10.40	NA	10.05
2013	CA	Restructured Retail Service Providers	18.34	11.81	9.62	6.73	NA	11.04
2013	CT	Restructured Retail Service Providers	18.68	14.80	13.34	10.31	NA	15.78
2013	DC	Restructured Retail Service Providers	12.73	11.87	5.54	9.52	NA	11.64
2013	DE	Restructured Retail Service Providers	13.35	9.03	7.60	0.00	NA	8.69
2013	IL	Restructured Retail Service Providers	10.25	7.67	5.89	5.32	NA	7.62
2013	MA	Restructured Retail Service Providers	16.92	13.86	13.33	13.06	NA	13.97
2013	MD	Restructured Retail Service Providers	13.46	10.37	8.26	8.47	NA	10.75
2013	ME	Restructured Retail Service Providers	14.36	11.74	8.32	0.00	NA	11.85
2013	MI	Restructured Retail Service Providers	14.80	7.46	5.92	0.00	NA	6.57
2013	MT	Restructured Retail Service Providers	10.43	5.93	4.26	0.00	NA	4.34
2013	NH	Restructured Retail Service Providers	13.77	11.69	10.03	0.00	NA	11.45
2013	NJ	Restructured Retail Service Providers	16.34	12.53	11.24	10.60	NA	12.81
2013	NV	Restructured Retail Service Providers	0.00	6.48	3.84	0.00	NA	4.94
2013	NY	Restructured Retail Service Providers	20.12	14.37	6.47	13.54	NA	13.64
2013	OH	Restructured Retail Service Providers	11.40	8.69	6.03	6.40	NA	8.28
2013	OR	Restructured Retail Service Providers	0.00	7.78	6.10	0.00	NA	6.69
2013	PA	Restructured Retail Service Providers	13.04	8.76	6.90	7.81	NA	8.76
2013	RI	Restructured Retail Service Providers	16.31	12.51	11.58	13.03	NA	12.39
2013	WA	Restructured Retail Service Providers	0.00	4.73	4.49	0.00	NA	4.50

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2013	US	Restructured Retail Service Providers	13.46	10.96	7.26	10.60	NA	10.18
2013	CA	Energy-Only Providers	7.39	6.15	5.80	5.81	NA	6.04
2013	CT	Energy-Only Providers	9.28	7.77	7.96	6.41	NA	8.26
2013	DC	Energy-Only Providers	9.16	8.01	4.19	6.52	NA	7.89
2013	DE	Energy-Only Providers	8.98	7.19	7.00	0.00	NA	7.20
2013	IL	Energy-Only Providers	5.63	5.57	4.85	4.03	NA	5.30
2013	MA	Energy-Only Providers	8.66	7.55	7.59	12.20	NA	7.77
2013	MD	Energy-Only Providers	9.25	7.50	6.49	7.07	NA	7.74
2013	ME	Energy-Only Providers	6.76	6.80	6.04	0.00	NA	6.58
2013	MI	Energy-Only Providers	7.86	5.41	5.04	0.00	NA	5.19
2013	MT	Energy-Only Providers	6.09	3.57	3.77	0.00	NA	3.76
2013	NH	Energy-Only Providers	7.53	7.34	6.89	0.00	NA	7.22
2013	NJ	Energy-Only Providers	11.24	8.04	7.31	7.42	NA	8.34
2013	NV	Energy-Only Providers	0.00	6.15	3.68	0.00	NA	4.71
2013	NY	Energy-Only Providers	9.67	7.61	4.32	8.41	NA	7.30
2013	OH	Energy-Only Providers	6.08	5.22	4.71	4.71	NA	5.22
2013	OR	Energy-Only Providers	0.00	4.45	4.18	0.00	NA	4.27
2013	PA	Energy-Only Providers	8.11	6.87	6.14	6.81	NA	6.78
2013	RI	Energy-Only Providers	8.70	7.11	7.38	6.16	NA	7.22
2013	WA	Energy-Only Providers	0.00	4.07	4.08	0.00	NA	4.08
2013	US	Energy-Only Providers	7.50	6.82	5.51	7.49	NA	6.51
2013	CA	Delivery-Only Service	10.95	5.66	3.82	0.93	NA	5.00
2013	CT	Delivery-Only Service	9.40	7.03	5.37	3.89	NA	7.52
2013	DC	Delivery-Only Service	3.57	3.86	1.35	3.00	NA	3.74
2013	DE	Delivery-Only Service	4.37	1.84	0.60	0.00	NA	1.48
2013	IL	Delivery-Only Service	4.63	2.10	1.04	1.29	NA	2.32
2013	MA	Delivery-Only Service	8.26	6.31	5.75	0.86	NA	6.20
2013	MD	Delivery-Only Service	4.22	2.88	1.78	1.39	NA	3.01
2013	ME	Delivery-Only Service	7.60	4.94	2.29	0.00	NA	5.27
2013	MI	Delivery-Only Service	6.94	2.06	0.88	0.00	NA	1.38
2013	MT	Delivery-Only Service	4.35	2.36	0.49	0.00	NA	0.58
2013	NH	Delivery-Only Service	6.24	4.36	3.14	0.00	NA	4.23
2013	NJ	Delivery-Only Service	5.10	4.49	3.93	3.18	NA	4.47
2013	NV	Delivery-Only Service	0.00	0.33	0.16	0.00	NA	0.23
2013	NY	Delivery-Only Service	10.45	6.76	2.15	5.14	NA	6.34
2013	OH	Delivery-Only Service	5.33	3.47	1.32	1.69	NA	3.06
2013	OR	Delivery-Only Service	0.00	3.33	1.92	0.00	NA	2.42
2013	PA	Delivery-Only Service	4.93	1.89	0.76	1.00	NA	1.98
2013	RI	Delivery-Only Service	7.60	5.40	4.19	6.87	NA	5.18
2013	WA	Delivery-Only Service	0.00	0.66	0.41	0.00	NA	0.42
2013	US	Delivery-Only Service	5.97	4.14	1.76	3.11	NA	3.67
2012	AK	Total Electric Industry	17.88	14.93	16.82	0.00	NA	16.33
2012	AL	Total Electric Industry	11.40	10.63	6.22	0.00	NA	9.18
2012	AR	Total Electric Industry	9.30	7.71	5.77	11.23	NA	7.62
2012	AZ	Total Electric Industry	11.29	9.53	6.53	0.00	NA	9.81
2012	CA	Total Electric Industry	15.34	13.41	10.49	7.17	NA	13.53
2012	CO	Total Electric Industry	11.46	9.39	6.95	9.69	NA	9.39
2012	CT	Total Electric Industry	17.34	14.65	12.67	9.69	NA	15.54
2012	DC	Total Electric Industry	12.28	12.02	5.46	9.01	NA	11.85
2012	DE	Total Electric Industry	13.58	10.13	8.36	0.00	NA	11.06
2012	FL	Total Electric Industry	11.42	9.66	8.04	8.45	NA	10.44
2012	GA	Total Electric Industry	11.17	9.58	5.98	7.65	NA	9.37
2012	HI	Total Electric Industry	37.34	34.88	30.82	0.00	NA	34.04
2012	IA	Total Electric Industry	10.82	8.01	5.30	0.00	NA	7.71
2012	ID	Total Electric Industry	8.67	6.86	5.48	0.00	NA	6.92
2012	IL	Total Electric Industry	11.38	7.99	5.80	6.15	NA	8.40
2012	IN	Total Electric Industry	10.53	9.14	6.34	9.56	NA	8.29
2012	KS	Total Electric Industry	11.24	9.24	7.09	0.00	NA	9.33
2012	KY	Total Electric Industry	9.43	8.73	5.35	0.00	NA	7.26
2012	LA	Total Electric Industry	8.37	7.75	4.76	8.72	NA	6.90
2012	MA	Total Electric Industry	14.91	13.84	12.57	4.91	NA	13.79
2012	MD	Total Electric Industry	12.84	10.43	8.09	8.29	NA	11.28
2012	ME	Total Electric Industry	14.66	11.53	7.98	0.00	NA	11.81
2012	MI	Total Electric Industry	14.13	10.93	7.62	8.08	NA	10.98
2012	MN	Total Electric Industry	11.35	8.84	6.54	8.67	NA	8.86
2012	MO	Total Electric Industry	10.17	8.20	5.89	6.97	NA	8.53
2012	MS	Total Electric Industry	10.26	9.33	6.24	0.00	NA	8.60
2012	MT	Total Electric Industry	10.08	9.13	5.10	0.00	NA	8.25
2012	NC	Total Electric Industry	10.91	8.66	6.42	7.88	NA	9.15
2012	ND	Total Electric Industry	9.06	8.02	6.55	0.00	NA	7.83
2012	NE	Total Electric Industry	10.04	8.38	7.01	0.00	NA	8.37
2012	NH	Total Electric Industry	16.07	13.36	11.83	0.00	NA	14.19
2012	NJ	Total Electric Industry	15.78	12.78	10.52	9.77	NA	13.68
2012	NM	Total Electric Industry	11.38	9.32	5.83	0.00	NA	8.83
2012	NV	Total Electric Industry	11.83	8.83	6.48	8.40	NA	8.95
2012	NY	Total Electric Industry	17.62	15.06	6.70	14.20	NA	15.15

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2012	OH	Total Electric Industry	11.76	9.47	6.24	6.98	NA	9.12
2012	OK	Total Electric Industry	9.51	7.32	5.09	0.00	NA	7.54
2012	OR	Total Electric Industry	9.80	8.31	5.59	8.24	NA	8.21
2012	PA	Total Electric Industry	12.75	9.44	7.23	8.07	NA	9.91
2012	RI	Total Electric Industry	14.40	11.87	10.68	8.28	NA	12.74
2012	SC	Total Electric Industry	11.77	9.63	6.02	0.00	NA	9.10
2012	SD	Total Electric Industry	10.07	8.10	6.57	0.00	NA	8.49
2012	TN	Total Electric Industry	10.10	10.31	7.08	11.28	NA	9.27
2012	TX	Total Electric Industry	10.98	8.16	5.57	10.54	NA	8.55
2012	UT	Total Electric Industry	9.93	8.06	5.62	9.79	NA	7.84
2012	VA	Total Electric Industry	11.08	8.08	6.72	8.51	NA	9.07
2012	VT	Total Electric Industry	17.01	14.32	9.98	0.00	NA	14.22
2012	WA	Total Electric Industry	8.53	7.68	4.13	8.06	NA	6.94
2012	WI	Total Electric Industry	13.19	10.51	7.34	0.00	NA	10.28
2012	WV	Total Electric Industry	9.85	8.42	6.33	8.66	NA	8.14
2012	WY	Total Electric Industry	9.85	8.24	6.03	0.00	NA	7.19
2012	US	Total Electric Industry	11.88	10.09	6.67	10.21	NA	9.84
2012	AK	Full-Service Providers	17.88	14.93	16.82	0.00	NA	16.33
2012	AL	Full-Service Providers	11.40	10.63	6.22	0.00	NA	9.18
2012	AR	Full-Service Providers	9.30	7.71	5.76	11.23	NA	7.62
2012	AZ	Full-Service Providers	11.29	9.53	6.53	0.00	NA	9.81
2012	CA	Full-Service Providers	15.32	13.62	10.72	7.96	NA	13.80
2012	CO	Full-Service Providers	11.46	9.39	6.95	9.69	NA	9.39
2012	CT	Full-Service Providers	17.05	14.32	10.20	0.00	NA	15.79
2012	DC	Full-Service Providers	12.25	12.51	0.00	0.00	NA	12.35
2012	DE	Full-Service Providers	13.60	12.38	9.89	0.00	NA	12.77
2012	FL	Full-Service Providers	11.42	9.66	8.04	8.45	NA	10.44
2012	GA	Full-Service Providers	11.17	9.58	5.98	7.65	NA	9.37
2012	HI	Full-Service Providers	37.34	34.88	30.82	0.00	NA	34.04
2012	IA	Full-Service Providers	10.82	8.01	5.30	0.00	NA	7.71
2012	ID	Full-Service Providers	8.67	6.86	5.48	0.00	NA	6.92
2012	IL	Full-Service Providers	11.70	9.44	5.81	6.19	NA	10.44
2012	IN	Full-Service Providers	10.53	9.14	6.34	9.56	NA	8.29
2012	KS	Full-Service Providers	11.24	9.24	7.09	0.00	NA	9.33
2012	KY	Full-Service Providers	9.43	8.73	5.35	0.00	NA	7.26
2012	LA	Full-Service Providers	8.37	7.75	4.76	8.72	NA	6.90
2012	MA	Full-Service Providers	14.77	14.15	11.08	0.00	NA	14.02
2012	MD	Full-Service Providers	12.78	10.72	8.44	0.00	NA	12.16
2012	ME	Full-Service Providers	13.84	12.37	10.89	0.00	NA	12.78
2012	MI	Full-Service Providers	14.13	11.34	7.84	8.08	NA	11.36
2012	MN	Full-Service Providers	11.35	8.84	6.54	8.67	NA	8.86
2012	MO	Full-Service Providers	10.17	8.20	5.89	6.97	NA	8.53
2012	MS	Full-Service Providers	10.26	9.33	6.24	0.00	NA	8.60
2012	MT	Full-Service Providers	10.08	9.24	6.96	0.00	NA	9.27
2012	NC	Full-Service Providers	10.91	8.66	6.42	7.88	NA	9.15
2012	ND	Full-Service Providers	9.06	8.02	6.55	0.00	NA	7.83
2012	NE	Full-Service Providers	10.04	8.38	7.01	0.00	NA	8.37
2012	NH	Full-Service Providers	16.12	15.05	16.18	0.00	NA	15.79
2012	NJ	Full-Service Providers	15.87	13.64	8.53	9.86	NA	14.88
2012	NM	Full-Service Providers	11.37	9.32	5.83	0.00	NA	8.83
2012	NV	Full-Service Providers	11.83	8.92	6.67	8.40	NA	9.13
2012	NY	Full-Service Providers	17.33	16.19	7.66	13.32	NA	16.33
2012	OH	Full-Service Providers	12.02	10.68	6.37	9.23	NA	9.99
2012	OK	Full-Service Providers	9.51	7.32	5.09	0.00	NA	7.54
2012	OR	Full-Service Providers	9.80	8.33	5.63	8.24	NA	8.29
2012	PA	Full-Service Providers	12.75	10.95	7.56	0.00	NA	12.04
2012	RI	Full-Service Providers	14.41	12.38	11.65	0.00	NA	13.59
2012	SC	Full-Service Providers	11.77	9.63	6.02	0.00	NA	9.10
2012	SD	Full-Service Providers	10.07	8.10	6.57	0.00	NA	8.49
2012	TN	Full-Service Providers	10.10	10.31	7.08	11.28	NA	9.27
2012	TX	Full-Service Providers	10.98	8.16	5.57	10.54	NA	8.55
2012	UT	Full-Service Providers	9.93	8.06	5.62	9.79	NA	7.84
2012	VA	Full-Service Providers	11.08	8.08	6.72	8.51	NA	9.07
2012	VT	Full-Service Providers	17.01	14.32	9.98	0.00	NA	14.22
2012	WA	Full-Service Providers	8.53	7.68	4.12	8.06	NA	7.01
2012	WI	Full-Service Providers	13.19	10.51	7.34	0.00	NA	10.28
2012	WV	Full-Service Providers	9.85	8.42	6.33	8.66	NA	8.14
2012	WY	Full-Service Providers	9.85	8.24	6.03	0.00	NA	7.19
2012	US	Full-Service Providers	11.77	9.88	6.52	9.50	NA	9.80
2012	CA	Restructured Retail Service Providers	20.06	11.74	9.57	6.48	NA	10.96
2012	CT	Restructured Retail Service Providers	17.70	14.74	13.48	9.69	NA	15.41
2012	DC	Restructured Retail Service Providers	12.49	11.95	5.46	9.01	NA	11.69
2012	DE	Restructured Retail Service Providers	13.06	8.67	7.44	0.00	NA	8.35
2012	IL	Restructured Retail Service Providers	10.00	7.24	5.80	6.15	NA	6.85
2012	MA	Restructured Retail Service Providers	15.87	13.62	13.15	4.91	NA	13.51
2012	MD	Restructured Retail Service Providers	13.06	10.34	8.03	8.29	NA	10.49

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2012	ME	Restructured Retail Service Providers	14.67	11.52	7.95	0.00	NA	11.80
2012	MI	Restructured Retail Service Providers	14.11	7.73	6.46	0.00	NA	7.06
2012	MT	Restructured Retail Service Providers	10.17	5.77	3.92	0.00	NA	4.02
2012	NH	Restructured Retail Service Providers	14.26	11.89	10.83	0.00	NA	11.54
2012	NJ	Restructured Retail Service Providers	15.28	12.39	10.96	9.77	NA	12.47
2012	NV	Restructured Retail Service Providers	0.00	6.80	4.64	0.00	NA	5.15
2012	NY	Restructured Retail Service Providers	18.83	14.45	6.26	14.31	NA	13.95
2012	OH	Restructured Retail Service Providers	11.28	8.84	6.14	6.86	NA	8.34
2012	OR	Restructured Retail Service Providers	0.00	7.85	5.14	0.00	NA	6.12
2012	PA	Restructured Retail Service Providers	12.76	8.93	7.20	8.07	NA	8.76
2012	RI	Restructured Retail Service Providers	14.02	11.41	10.36	8.28	NA	11.16
2012	WA	Restructured Retail Service Providers	0.00	4.54	4.24	0.00	NA	4.25
2012	US	Restructured Retail Service Providers	13.64	10.99	7.36	10.38	NA	10.12
2012	CA	Energy-Only Providers	7.99	5.90	5.43	5.70	NA	5.75
2012	CT	Energy-Only Providers	8.85	8.11	8.52	6.23	NA	8.37
2012	DC	Energy-Only Providers	9.13	8.27	4.12	5.97	NA	8.10
2012	DE	Energy-Only Providers	9.22	7.22	6.89	0.00	NA	7.16
2012	IL	Energy-Only Providers	5.61	5.28	4.77	4.94	NA	5.07
2012	MA	Energy-Only Providers	7.99	7.64	7.64	4.13	NA	7.63
2012	MD	Energy-Only Providers	9.00	7.70	6.57	6.93	NA	7.77
2012	ME	Energy-Only Providers	7.42	6.80	5.73	0.00	NA	6.76
2012	MI	Energy-Only Providers	7.48	5.75	5.42	0.00	NA	5.57
2012	MT	Energy-Only Providers	6.22	3.46	3.42	0.00	NA	3.43
2012	NH	Energy-Only Providers	7.38	6.91	7.05	0.00	NA	6.98
2012	NJ	Energy-Only Providers	10.45	8.02	7.10	6.76	NA	8.14
2012	NV	Energy-Only Providers	0.00	6.08	4.49	0.00	NA	4.86
2012	NY	Energy-Only Providers	8.41	7.42	3.47	9.16	NA	7.09
2012	OH	Energy-Only Providers	6.11	5.56	4.96	4.84	NA	5.45
2012	OR	Energy-Only Providers	0.00	4.08	3.28	0.00	NA	3.57
2012	PA	Energy-Only Providers	7.83	6.95	6.26	6.75	NA	6.77
2012	RI	Energy-Only Providers	7.66	6.94	7.00	1.76	NA	6.92
2012	WA	Energy-Only Providers	0.00	3.76	3.76	0.00	NA	3.76
2012	US	Energy-Only Providers	7.53	6.86	5.56	7.29	NA	6.51
2012	CA	Delivery-Only Service	12.07	5.84	4.14	0.78	NA	5.21
2012	CT	Delivery-Only Service	8.85	6.63	4.96	3.47	NA	7.03
2012	DC	Delivery-Only Service	3.37	3.68	1.34	3.04	NA	3.59
2012	DE	Delivery-Only Service	3.83	1.45	0.56	0.00	NA	1.19
2012	IL	Delivery-Only Service	4.39	1.96	1.02	1.21	NA	1.78
2012	MA	Delivery-Only Service	7.89	5.98	5.50	0.77	NA	5.88
2012	MD	Delivery-Only Service	4.06	2.64	1.46	1.36	NA	2.72
2012	ME	Delivery-Only Service	7.26	4.72	2.22	0.00	NA	5.04
2012	MI	Delivery-Only Service	6.64	1.98	1.04	0.00	NA	1.48
2012	MT	Delivery-Only Service	3.95	2.31	0.49	0.00	NA	0.59
2012	NH	Delivery-Only Service	6.88	4.98	3.78	0.00	NA	4.57
2012	NJ	Delivery-Only Service	4.83	4.36	3.86	3.00	NA	4.32
2012	NV	Delivery-Only Service	0.00	0.71	0.15	0.00	NA	0.29
2012	NY	Delivery-Only Service	10.42	7.03	2.80	5.15	NA	6.86
2012	OH	Delivery-Only Service	5.18	3.28	1.18	2.03	NA	2.89
2012	OR	Delivery-Only Service	0.00	3.77	1.85	0.00	NA	2.55
2012	PA	Delivery-Only Service	4.93	1.98	0.94	1.32	NA	1.99
2012	RI	Delivery-Only Service	6.36	4.47	3.36	6.52	NA	4.23
2012	WA	Delivery-Only Service	0.00	0.78	0.47	0.00	NA	0.48
2012	US	Delivery-Only Service	6.11	4.13	1.80	3.09	NA	3.61
2011	AK	Total Electric Industry	17.62	15.10	15.71	0.00	NA	16.08
2011	AL	Total Electric Industry	11.09	10.47	6.25	0.00	NA	9.10
2011	AR	Total Electric Industry	9.02	7.50	5.63	11.10	NA	7.43
2011	AZ	Total Electric Industry	11.08	9.50	6.55	0.00	NA	9.71
2011	CA	Total Electric Industry	14.78	13.05	10.11	8.14	NA	13.05
2011	CO	Total Electric Industry	11.27	9.44	7.06	9.79	NA	9.39
2011	CT	Total Electric Industry	18.11	15.57	13.24	10.25	NA	16.35
2011	DC	Total Electric Industry	13.40	12.90	6.89	10.19	NA	12.81
2011	DE	Total Electric Industry	13.70	10.64	8.91	0.00	NA	11.48
2011	FL	Total Electric Industry	11.51	9.85	8.55	8.81	NA	10.61
2011	GA	Total Electric Industry	11.05	9.87	6.60	7.94	NA	9.61
2011	HI	Total Electric Industry	34.68	32.37	28.40	0.00	NA	31.59
2011	IA	Total Electric Industry	10.46	7.85	5.21	0.00	NA	7.56
2011	ID	Total Electric Industry	7.87	6.41	5.10	0.00	NA	6.44
2011	IL	Total Electric Industry	11.78	8.64	6.42	6.81	NA	8.97
2011	IN	Total Electric Industry	10.06	8.77	6.17	9.74	NA	8.01
2011	KS	Total Electric Industry	10.65	8.78	6.71	0.00	NA	8.89
2011	KY	Total Electric Industry	9.20	8.49	5.33	0.00	NA	7.17
2011	LA	Total Electric Industry	8.96	8.44	5.69	8.33	NA	7.68
2011	MA	Total Electric Industry	14.67	14.33	13.38	6.14	NA	14.11
2011	MD	Total Electric Industry	13.31	11.28	8.76	9.03	NA	11.93
2011	ME	Total Electric Industry	15.38	12.29	8.88	0.00	NA	12.58
2011	MI	Total Electric Industry	13.27	10.33	7.32	8.53	NA	10.40

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2011	MN	Total Electric Industry	10.96	8.63	6.47	8.23	NA	8.65
2011	MO	Total Electric Industry	9.75	8.04	5.85	6.90	NA	8.32
2011	MS	Total Electric Industry	10.17	9.48	6.53	0.00	NA	8.78
2011	MT	Total Electric Industry	9.75	9.12	5.27	0.00	NA	8.23
2011	NC	Total Electric Industry	10.26	8.13	6.01	7.04	NA	8.65
2011	ND	Total Electric Industry	8.58	7.61	6.24	0.00	NA	7.50
2011	NE	Total Electric Industry	9.32	7.99	6.43	0.00	NA	7.88
2011	NH	Total Electric Industry	16.52	14.04	12.27	0.00	NA	14.74
2011	NJ	Total Electric Industry	16.23	13.47	11.43	10.69	NA	14.30
2011	NM	Total Electric Industry	11.00	9.07	6.06	0.00	NA	8.74
2011	NV	Total Electric Industry	11.61	9.05	6.65	8.58	NA	8.97
2011	NY	Total Electric Industry	18.26	15.81	7.83	13.45	NA	15.89
2011	OH	Total Electric Industry	11.42	9.63	6.12	6.64	NA	9.03
2011	OK	Total Electric Industry	9.47	7.60	5.46	0.00	NA	7.80
2011	OR	Total Electric Industry	9.54	8.15	5.47	7.89	NA	8.04
2011	PA	Total Electric Industry	13.26	10.03	7.73	8.93	NA	10.45
2011	RI	Total Electric Industry	14.33	12.37	11.27	14.11	NA	13.04
2011	SC	Total Electric Industry	11.05	9.30	5.94	0.00	NA	8.80
2011	SD	Total Electric Industry	9.35	7.76	6.20	0.00	NA	8.05
2011	TN	Total Electric Industry	9.98	10.27	7.23	12.07	NA	9.28
2011	TX	Total Electric Industry	11.08	8.83	6.24	10.08	NA	9.00
2011	UT	Total Electric Industry	8.96	7.35	5.10	9.24	NA	7.13
2011	VA	Total Electric Industry	10.64	7.95	6.49	8.24	NA	8.84
2011	VT	Total Electric Industry	16.26	14.00	9.83	0.00	NA	13.80
2011	WA	Total Electric Industry	8.28	7.49	4.09	8.54	NA	6.78
2011	WI	Total Electric Industry	13.02	10.42	7.33	0.00	NA	10.21
2011	WV	Total Electric Industry	9.39	8.14	6.18	8.60	NA	7.88
2011	WY	Total Electric Industry	9.11	7.72	5.41	0.00	NA	6.58
2011	US	Total Electric Industry	11.72	10.24	6.82	10.46	NA	9.90
2011	AK	Full-Service Providers	17.62	15.10	15.71	0.00	NA	16.08
2011	AL	Full-Service Providers	11.09	10.47	6.25	0.00	NA	9.10
2011	AR	Full-Service Providers	9.02	7.50	5.63	11.10	NA	7.43
2011	AZ	Full-Service Providers	11.08	9.50	6.55	0.00	NA	9.71
2011	CA	Full-Service Providers	14.75	13.16	10.14	8.82	NA	13.22
2011	CO	Full-Service Providers	11.27	9.44	7.06	9.79	NA	9.39
2011	CT	Full-Service Providers	17.92	15.37	10.78	10.15	NA	16.67
2011	DC	Full-Service Providers	13.44	14.36	0.00	0.00	NA	13.79
2011	DE	Full-Service Providers	13.72	12.56	10.44	0.00	NA	12.96
2011	FL	Full-Service Providers	11.51	9.85	8.55	8.81	NA	10.61
2011	GA	Full-Service Providers	11.05	9.87	6.60	7.94	NA	9.61
2011	HI	Full-Service Providers	34.68	32.37	28.40	0.00	NA	31.59
2011	IA	Full-Service Providers	10.46	7.85	5.21	0.00	NA	7.56
2011	ID	Full-Service Providers	7.87	6.41	5.10	0.00	NA	6.44
2011	IL	Full-Service Providers	11.79	9.90	6.02	6.65	NA	10.75
2011	IN	Full-Service Providers	10.06	8.77	6.17	9.74	NA	8.01
2011	KS	Full-Service Providers	10.65	8.78	6.71	0.00	NA	8.89
2011	KY	Full-Service Providers	9.20	8.49	5.33	0.00	NA	7.17
2011	LA	Full-Service Providers	8.96	8.44	5.69	8.33	NA	7.68
2011	MA	Full-Service Providers	14.49	14.56	12.55	0.00	NA	14.22
2011	MD	Full-Service Providers	13.29	11.54	9.12	0.00	NA	12.75
2011	ME	Full-Service Providers	14.47	13.08	11.83	0.00	NA	13.53
2011	MI	Full-Service Providers	13.27	10.60	7.43	8.53	NA	10.69
2011	MN	Full-Service Providers	10.96	8.63	6.47	8.23	NA	8.65
2011	MO	Full-Service Providers	9.75	8.04	5.85	6.90	NA	8.32
2011	MS	Full-Service Providers	10.17	9.48	6.53	0.00	NA	8.78
2011	MT	Full-Service Providers	9.75	9.21	6.68	0.00	NA	9.11
2011	NC	Full-Service Providers	10.26	8.13	6.01	7.04	NA	8.64
2011	ND	Full-Service Providers	8.58	7.61	6.24	0.00	NA	7.50
2011	NE	Full-Service Providers	9.32	7.99	6.43	0.00	NA	7.88
2011	NH	Full-Service Providers	16.52	15.34	16.24	0.00	NA	16.11
2011	NJ	Full-Service Providers	16.23	14.22	9.49	12.15	NA	15.29
2011	NM	Full-Service Providers	11.00	9.07	6.06	0.00	NA	8.74
2011	NV	Full-Service Providers	11.61	9.11	6.84	8.58	NA	9.14
2011	NY	Full-Service Providers	18.06	17.11	9.18	11.04	NA	17.17
2011	OH	Full-Service Providers	11.57	10.31	6.05	12.11	NA	9.48
2011	OK	Full-Service Providers	9.47	7.60	5.46	0.00	NA	7.80
2011	OR	Full-Service Providers	9.54	8.16	5.51	7.89	NA	8.11
2011	PA	Full-Service Providers	13.24	11.67	9.06	7.65	NA	12.47
2011	RI	Full-Service Providers	14.34	12.64	11.82	0.00	NA	13.59
2011	SC	Full-Service Providers	11.05	9.30	5.94	0.00	NA	8.80
2011	SD	Full-Service Providers	9.35	7.76	6.20	0.00	NA	8.05
2011	TN	Full-Service Providers	9.98	10.27	7.23	12.07	NA	9.28
2011	TX	Full-Service Providers	11.08	8.83	6.24	10.08	NA	9.00
2011	UT	Full-Service Providers	8.96	7.35	5.10	9.24	NA	7.13
2011	VA	Full-Service Providers	10.64	7.95	6.49	8.24	NA	8.84
2011	VT	Full-Service Providers	16.26	14.00	9.83	0.00	NA	13.80

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2011	WA	Full-Service Providers	8.28	7.50	4.02	8.54	NA	6.83
2011	WI	Full-Service Providers	13.02	10.42	7.33	0.00	NA	10.21
2011	WV	Full-Service Providers	9.39	8.14	6.18	8.60	NA	7.88
2011	WY	Full-Service Providers	9.11	7.72	5.41	0.00	NA	6.58
2011	US	Full-Service Providers	11.60	9.93	6.60	9.35	NA	9.79
2011	CA	Restructured Retail Service Providers	22.90	12.10	9.96	7.26	NA	11.29
2011	CT	Restructured Retail Service Providers	18.37	15.63	14.07	10.28	NA	16.15
2011	DC	Restructured Retail Service Providers	12.91	12.69	6.89	10.19	NA	12.45
2011	DE	Restructured Retail Service Providers	12.78	9.34	7.76	0.00	NA	8.87
2011	IL	Restructured Retail Service Providers	11.57	7.81	6.49	6.82	NA	7.13
2011	MA	Restructured Retail Service Providers	16.14	14.16	13.68	6.14	NA	13.98
2011	MD	Restructured Retail Service Providers	13.44	11.19	8.70	9.03	NA	11.13
2011	ME	Restructured Retail Service Providers	15.40	12.28	8.85	0.00	NA	12.56
2011	MI	Restructured Retail Service Providers	13.25	8.30	6.72	0.00	NA	7.48
2011	MT	Restructured Retail Service Providers	9.84	6.24	4.43	0.00	NA	4.54
2011	NH	Restructured Retail Service Providers	14.94	12.45	11.04	0.00	NA	11.86
2011	NJ	Restructured Retail Service Providers	16.30	13.03	11.94	10.58	NA	13.07
2011	NV	Restructured Retail Service Providers	0.00	7.48	4.63	0.00	NA	5.18
2011	NY	Restructured Retail Service Providers	19.27	15.04	7.22	13.87	NA	14.47
2011	OH	Restructured Retail Service Providers	11.04	9.09	6.20	6.45	NA	8.42
2011	OR	Restructured Retail Service Providers	0.00	7.78	4.99	0.00	NA	5.85
2011	PA	Restructured Retail Service Providers	13.33	9.20	7.53	8.93	NA	8.87
2011	RI	Restructured Retail Service Providers	13.96	12.08	11.03	14.11	NA	11.86
2011	WA	Restructured Retail Service Providers	0.00	5.18	4.82	0.00	NA	4.83
2011	US	Restructured Retail Service Providers	14.58	11.61	7.89	10.79	NA	10.60
2011	CA	Energy-Only Providers	10.10	6.54	5.96	6.44	NA	6.34
2011	CT	Energy-Only Providers	9.72	9.29	9.29	6.77	NA	9.39
2011	DC	Energy-Only Providers	9.69	9.07	5.55	7.17	NA	8.92
2011	DE	Energy-Only Providers	9.74	8.14	7.28	0.00	NA	7.87
2011	IL	Energy-Only Providers	6.97	5.93	5.50	5.59	NA	5.71
2011	MA	Energy-Only Providers	8.38	8.52	8.38	5.42	NA	8.40
2011	MD	Energy-Only Providers	9.45	8.70	7.38	7.76	NA	8.61
2011	ME	Energy-Only Providers	8.41	7.76	6.82	0.00	NA	7.76
2011	MI	Energy-Only Providers	7.35	6.25	5.71	0.00	NA	5.97
2011	MT	Energy-Only Providers	6.10	3.93	3.92	0.00	NA	3.92
2011	NH	Energy-Only Providers	8.11	7.83	7.54	0.00	NA	7.71
2011	NJ	Energy-Only Providers	11.26	8.76	8.12	7.60	NA	8.83
2011	NV	Energy-Only Providers	0.00	6.45	4.47	0.00	NA	4.85
2011	NY	Energy-Only Providers	9.34	8.19	4.33	9.02	NA	7.84
2011	OH	Energy-Only Providers	6.55	6.00	5.23	4.89	NA	5.83
2011	OR	Energy-Only Providers	0.00	4.31	3.85	0.00	NA	3.99
2011	PA	Energy-Only Providers	8.55	7.37	6.66	7.58	NA	7.16
2011	RI	Energy-Only Providers	7.80	7.87	7.63	8.48	NA	7.81
2011	WA	Energy-Only Providers	0.00	4.32	4.33	0.00	NA	4.33
2011	US	Energy-Only Providers	8.42	7.61	6.15	7.80	NA	7.18
2011	CA	Delivery-Only Service	12.80	5.57	4.01	0.82	NA	4.94
2011	CT	Delivery-Only Service	8.65	6.34	4.78	3.51	NA	6.76
2011	DC	Delivery-Only Service	3.22	3.62	1.34	3.02	NA	3.53
2011	DE	Delivery-Only Service	3.03	1.21	0.48	0.00	NA	0.99
2011	IL	Delivery-Only Service	4.60	1.88	0.99	1.23	NA	1.42
2011	MA	Delivery-Only Service	7.76	5.64	5.30	0.72	NA	5.59
2011	MD	Delivery-Only Service	3.99	2.49	1.32	1.26	NA	2.52
2011	ME	Delivery-Only Service	6.99	4.53	2.03	0.00	NA	4.81
2011	MI	Delivery-Only Service	5.90	2.05	1.01	0.00	NA	1.51
2011	MT	Delivery-Only Service	3.74	2.31	0.51	0.00	NA	0.62
2011	NH	Delivery-Only Service	6.83	4.62	3.50	0.00	NA	4.16
2011	NJ	Delivery-Only Service	5.04	4.27	3.82	2.98	NA	4.24
2011	NV	Delivery-Only Service	0.00	1.03	0.16	0.00	NA	0.33
2011	NY	Delivery-Only Service	9.93	6.85	2.89	4.85	NA	6.62
2011	OH	Delivery-Only Service	4.49	3.08	0.96	1.57	NA	2.59
2011	OR	Delivery-Only Service	0.00	3.47	1.14	0.00	NA	1.86
2011	PA	Delivery-Only Service	4.79	1.83	0.87	1.35	NA	1.71
2011	RI	Delivery-Only Service	6.16	4.21	3.40	5.63	NA	4.04
2011	WA	Delivery-Only Service	0.00	0.85	0.49	0.00	NA	0.50
2011	US	Delivery-Only Service	6.16	4.01	1.73	2.99	NA	3.42
2010	AK	Total Electric Industry	16.26	13.95	14.14	0.00	NA	14.76
2010	AL	Total Electric Industry	10.67	10.18	6.01	0.00	NA	8.89
2010	AR	Total Electric Industry	8.86	7.31	5.44	11.33	NA	7.28
2010	AZ	Total Electric Industry	10.97	9.47	6.63	0.00	NA	9.69
2010	CA	Total Electric Industry	14.75	13.09	9.80	8.27	NA	13.01
2010	CO	Total Electric Industry	11.04	9.13	6.90	9.34	NA	9.15
2010	CT	Total Electric Industry	19.25	16.45	14.51	11.53	NA	17.38
2010	DC	Total Electric Industry	14.01	13.42	7.74	10.95	NA	13.35
2010	DE	Total Electric Industry	13.80	11.36	9.57	0.00	NA	11.97
2010	FL	Total Electric Industry	11.44	9.76	8.85	8.58	NA	10.58
2010	GA	Total Electric Industry	10.07	9.06	6.22	7.46	NA	8.87

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2010	HI	Total Electric Industry	28.10	25.93	21.94	0.00	NA	25.12
2010	IA	Total Electric Industry	10.42	7.91	5.36	0.00	NA	7.66
2010	ID	Total Electric Industry	7.99	6.64	5.15	0.00	NA	6.54
2010	IL	Total Electric Industry	11.52	8.88	6.82	6.72	NA	9.13
2010	IN	Total Electric Industry	9.56	8.38	5.87	9.21	NA	7.67
2010	KS	Total Electric Industry	10.03	8.25	6.23	0.00	NA	8.35
2010	KY	Total Electric Industry	8.57	7.88	5.05	0.00	NA	6.73
2010	LA	Total Electric Industry	8.98	8.50	5.84	9.46	NA	7.80
2010	MA	Total Electric Industry	14.59	14.53	13.71	6.40	NA	14.26
2010	MD	Total Electric Industry	14.32	11.75	9.58	9.89	NA	12.71
2010	ME	Total Electric Industry	15.72	12.52	9.17	0.00	NA	12.84
2010	MI	Total Electric Industry	12.46	9.81	7.08	10.65	NA	9.88
2010	MN	Total Electric Industry	10.59	8.38	6.29	7.77	NA	8.41
2010	MO	Total Electric Industry	9.08	7.50	5.50	6.14	NA	7.78
2010	MS	Total Electric Industry	9.87	9.32	6.32	0.00	NA	8.59
2010	MT	Total Electric Industry	9.16	8.55	5.55	0.00	NA	7.84
2010	NC	Total Electric Industry	10.12	8.16	6.17	7.09	NA	8.67
2010	ND	Total Electric Industry	8.13	7.21	5.81	0.00	NA	7.11
2010	NE	Total Electric Industry	8.94	7.64	6.00	0.00	NA	7.52
2010	NH	Total Electric Industry	16.32	14.25	12.76	0.00	NA	14.84
2010	NJ	Total Electric Industry	16.57	13.89	11.81	11.73	NA	14.68
2010	NM	Total Electric Industry	10.52	8.57	6.01	0.00	NA	8.40
2010	NV	Total Electric Industry	12.36	9.79	7.37	9.40	NA	9.73
2010	NY	Total Electric Industry	18.74	16.31	8.79	13.74	NA	16.41
2010	OH	Total Electric Industry	11.31	9.73	6.40	8.62	NA	9.14
2010	OK	Total Electric Industry	9.14	7.45	5.35	0.00	NA	7.59
2010	OR	Total Electric Industry	8.87	7.59	5.40	6.99	NA	7.56
2010	PA	Total Electric Industry	12.70	10.10	7.66	7.91	NA	10.31
2010	RI	Total Electric Industry	15.92	13.10	11.83	13.73	NA	14.07
2010	SC	Total Electric Industry	10.50	8.90	5.74	0.00	NA	8.49
2010	SD	Total Electric Industry	8.97	7.55	6.07	0.00	NA	7.82
2010	TN	Total Electric Industry	9.23	9.66	6.58	11.09	NA	8.61
2010	TX	Total Electric Industry	11.60	9.19	6.44	9.82	NA	9.34
2010	UT	Total Electric Industry	8.71	7.15	4.93	8.69	NA	6.94
2010	VA	Total Electric Industry	10.45	7.65	6.66	7.70	NA	8.69
2010	VT	Total Electric Industry	15.57	13.44	9.53	0.00	NA	13.24
2010	WA	Total Electric Industry	8.04	7.37	4.08	7.42	NA	6.66
2010	WI	Total Electric Industry	12.65	9.98	6.85	0.00	NA	9.78
2010	WV	Total Electric Industry	8.79	7.66	5.86	8.33	NA	7.45
2010	WY	Total Electric Industry	8.77	7.42	4.98	0.00	NA	6.20
2010	US	Total Electric Industry	11.54	10.19	6.77	10.56	NA	9.83
2010	AK	Full-Service Providers	16.26	13.95	14.14	0.00	NA	14.76
2010	AL	Full-Service Providers	10.67	10.18	6.01	0.00	NA	8.89
2010	AR	Full-Service Providers	8.86	7.31	5.44	11.33	NA	7.28
2010	AZ	Full-Service Providers	10.97	9.47	6.63	0.00	NA	9.69
2010	CA	Full-Service Providers	14.74	13.22	9.79	8.87	NA	13.16
2010	CO	Full-Service Providers	11.04	9.13	6.90	9.34	NA	9.15
2010	CT	Full-Service Providers	19.47	16.48	12.05	11.16	NA	18.15
2010	DC	Full-Service Providers	14.02	14.92	0.00	0.00	NA	14.38
2010	DE	Full-Service Providers	13.78	13.42	10.80	0.00	NA	13.25
2010	FL	Full-Service Providers	11.44	9.76	8.85	8.58	NA	10.58
2010	GA	Full-Service Providers	10.07	9.06	6.22	7.46	NA	8.87
2010	HI	Full-Service Providers	28.10	25.93	21.94	0.00	NA	25.12
2010	IA	Full-Service Providers	10.42	7.91	5.36	0.00	NA	7.66
2010	ID	Full-Service Providers	7.99	6.64	5.15	0.00	NA	6.54
2010	IL	Full-Service Providers	11.52	9.83	6.04	7.33	NA	10.57
2010	IN	Full-Service Providers	9.56	8.38	5.87	9.21	NA	7.67
2010	KS	Full-Service Providers	10.03	8.25	6.23	0.00	NA	8.35
2010	KY	Full-Service Providers	8.57	7.88	5.05	0.00	NA	6.73
2010	LA	Full-Service Providers	8.98	8.50	5.84	9.46	NA	7.80
2010	MA	Full-Service Providers	14.31	14.30	12.22	0.00	NA	14.01
2010	MD	Full-Service Providers	14.35	12.26	9.45	0.00	NA	13.74
2010	ME	Full-Service Providers	15.47	13.06	12.27	0.00	NA	14.12
2010	MI	Full-Service Providers	12.46	9.95	7.07	10.65	NA	10.07
2010	MN	Full-Service Providers	10.59	8.38	6.29	7.77	NA	8.41
2010	MO	Full-Service Providers	9.08	7.50	5.50	6.14	NA	7.78
2010	MS	Full-Service Providers	9.87	9.32	6.32	0.00	NA	8.59
2010	MT	Full-Service Providers	9.16	8.61	6.19	0.00	NA	8.46
2010	NC	Full-Service Providers	10.12	8.16	6.17	7.09	NA	8.67
2010	ND	Full-Service Providers	8.13	7.21	5.81	0.00	NA	7.11
2010	NE	Full-Service Providers	8.94	7.63	6.00	0.00	NA	7.52
2010	NH	Full-Service Providers	16.32	14.54	13.14	0.00	NA	15.48
2010	NJ	Full-Service Providers	16.58	14.63	10.47	0.00	NA	15.61
2010	NM	Full-Service Providers	10.52	8.57	6.01	0.00	NA	8.40
2010	NV	Full-Service Providers	12.36	9.85	7.58	9.40	NA	9.91
2010	NY	Full-Service Providers	18.51	17.48	9.28	17.89	NA	17.56

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2010	OH	Full-Service Providers	11.31	9.89	6.10	10.88	NA	9.32
2010	OK	Full-Service Providers	9.14	7.45	5.35	0.00	NA	7.59
2010	OR	Full-Service Providers	8.87	7.62	5.44	6.99	NA	7.63
2010	PA	Full-Service Providers	12.68	10.43	7.67	7.74	NA	10.60
2010	RI	Full-Service Providers	15.93	13.38	12.32	0.00	NA	14.80
2010	SC	Full-Service Providers	10.50	8.90	5.74	0.00	NA	8.49
2010	SD	Full-Service Providers	8.97	7.55	6.07	0.00	NA	7.82
2010	TN	Full-Service Providers	9.23	9.66	6.58	11.09	NA	8.61
2010	TX	Full-Service Providers	11.60	9.19	6.44	9.82	NA	9.34
2010	UT	Full-Service Providers	8.71	7.15	4.93	8.69	NA	6.94
2010	VA	Full-Service Providers	10.45	7.65	6.66	7.70	NA	8.69
2010	VT	Full-Service Providers	15.57	13.44	9.53	0.00	NA	13.24
2010	WA	Full-Service Providers	8.04	7.38	3.98	7.42	NA	6.70
2010	WI	Full-Service Providers	12.65	9.98	6.85	0.00	NA	9.78
2010	WV	Full-Service Providers	8.79	7.66	5.86	8.33	NA	7.45
2010	WY	Full-Service Providers	8.77	7.42	4.98	0.00	NA	6.20
2010	US	Full-Service Providers	11.44	9.82	6.49	9.55	NA	9.67
2010	CA	Restructured Retail Service Providers	20.44	11.70	9.88	7.47	NA	10.95
2010	CT	Restructured Retail Service Providers	18.70	16.44	15.33	12.20	NA	16.75
2010	DC	Restructured Retail Service Providers	13.82	13.16	7.74	10.95	NA	12.94
2010	DE	Restructured Retail Service Providers	15.01	9.93	8.55	0.00	NA	9.56
2010	ID	Restructured Retail Service Providers	0.00	0.00	0.00	0.00	NA	0.00
2010	IL	Restructured Retail Service Providers	15.80	8.11	6.95	6.70	NA	7.45
2010	MA	Restructured Retail Service Providers	16.96	14.72	14.25	6.40	NA	14.57
2010	MD	Restructured Retail Service Providers	13.96	11.55	9.60	9.89	NA	11.43
2010	ME	Restructured Retail Service Providers	15.72	12.51	9.14	0.00	NA	12.82
2010	MI	Restructured Retail Service Providers	12.58	8.79	7.16	0.00	NA	7.95
2010	MT	Restructured Retail Service Providers	9.25	6.82	5.09	0.00	NA	5.20
2010	NH	Restructured Retail Service Providers	16.43	13.81	12.62	0.00	NA	13.28
2010	NJ	Restructured Retail Service Providers	15.49	13.25	12.26	11.73	NA	13.05
2010	NV	Restructured Retail Service Providers	0.00	7.74	5.18	0.00	NA	5.67
2010	NY	Restructured Retail Service Providers	20.03	15.53	8.52	13.25	NA	15.03
2010	OH	Restructured Retail Service Providers	11.32	9.48	6.87	8.00	NA	8.77
2010	OR	Restructured Retail Service Providers	0.00	6.60	4.93	0.00	NA	5.43
2010	PA	Restructured Retail Service Providers	12.89	9.49	7.63	9.04	NA	9.32
2010	RI	Restructured Retail Service Providers	14.33	12.79	11.60	13.73	NA	12.49
2010	WA	Restructured Retail Service Providers	0.00	5.41	5.10	0.00	NA	5.11
2010	US	Restructured Retail Service Providers	15.29	12.21	8.56	11.03	NA	11.23
2010	CA	Energy-Only Providers	10.07	7.10	6.71	6.65	NA	6.96
2010	CT	Energy-Only Providers	10.30	10.03	10.34	8.13	NA	10.14
2010	DC	Energy-Only Providers	10.65	9.57	6.44	8.00	NA	9.44
2010	DE	Energy-Only Providers	10.81	8.78	8.04	0.00	NA	8.57
2010	ID	Energy-Only Providers	0.00	0.00	0.00	0.00	NA	0.00
2010	IL	Energy-Only Providers	11.83	6.32	5.99	5.51	NA	6.13
2010	MA	Energy-Only Providers	9.32	9.29	9.26	5.65	NA	9.23
2010	MD	Energy-Only Providers	10.45	9.20	8.47	8.54	NA	9.18
2010	ME	Energy-Only Providers	8.86	8.11	7.04	0.00	NA	8.11
2010	MI	Energy-Only Providers	6.51	6.50	5.86	0.00	NA	6.17
2010	MT	Energy-Only Providers	5.58	4.55	4.56	0.00	NA	4.56
2010	NH	Energy-Only Providers	9.07	8.29	8.18	0.00	NA	8.24
2010	NJ	Energy-Only Providers	10.69	9.17	8.58	8.71	NA	9.06
2010	NV	Energy-Only Providers	0.00	6.71	5.00	0.00	NA	5.34
2010	NY	Energy-Only Providers	10.32	9.01	5.57	8.94	NA	8.70
2010	OH	Energy-Only Providers	6.53	6.07	5.42	4.87	NA	5.89
2010	OR	Energy-Only Providers	0.00	4.18	4.45	0.00	NA	4.37
2010	PA	Energy-Only Providers	9.21	7.81	6.99	7.86	NA	7.72
2010	RI	Energy-Only Providers	8.17	8.51	8.28	8.96	NA	8.45
2010	WA	Energy-Only Providers	0.00	4.56	4.56	0.00	NA	4.56
2010	US	Energy-Only Providers	8.88	8.21	6.62	8.05	NA	7.73
2010	CA	Delivery-Only Service	10.37	4.60	3.17	0.82	NA	3.99
2010	CT	Delivery-Only Service	8.41	6.40	4.99	4.07	NA	6.62
2010	DC	Delivery-Only Service	3.18	3.59	1.31	2.95	NA	3.50
2010	DE	Delivery-Only Service	4.20	1.15	0.52	0.00	NA	1.00
2010	ID	Delivery-Only Service	0.00	0.00	0.00	0.00	NA	0.00
2010	IL	Delivery-Only Service	3.97	1.80	0.96	1.19	NA	1.32
2010	MA	Delivery-Only Service	7.65	5.43	4.99	0.75	NA	5.34
2010	MD	Delivery-Only Service	3.50	2.35	1.14	1.35	NA	2.25
2010	ME	Delivery-Only Service	6.86	4.39	2.10	0.00	NA	4.71
2010	MI	Delivery-Only Service	6.08	2.29	1.29	0.00	NA	1.77
2010	MT	Delivery-Only Service	3.67	2.27	0.53	0.00	NA	0.64
2010	NH	Delivery-Only Service	7.36	5.51	4.44	0.00	NA	5.04
2010	NJ	Delivery-Only Service	4.81	4.08	3.68	3.02	NA	3.99
2010	NV	Delivery-Only Service	0.00	1.02	0.17	0.00	NA	0.34
2010	NY	Delivery-Only Service	9.71	6.51	2.95	4.31	NA	6.32
2010	OH	Delivery-Only Service	4.79	3.41	1.46	3.13	NA	2.88
2010	OR	Delivery-Only Service	0.00	2.42	0.48	0.00	NA	1.06

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2010	PA	Delivery-Only Service	3.68	1.68	0.64	1.18	NA	1.60
2010	RI	Delivery-Only Service	6.16	4.28	3.32	4.77	NA	4.04
2010	WA	Delivery-Only Service	0.00	0.85	0.54	0.00	NA	0.55
2010	US	Delivery-Only Service	6.41	3.99	1.93	2.98	NA	3.50
2009	AK	Total Electric Industry	17.14	14.46	13.15	0.00	NA	15.09
2009	AL	Total Electric Industry	10.66	10.05	5.96	0.00	NA	8.83
2009	AR	Total Electric Industry	9.14	7.56	5.76	12.32	NA	7.57
2009	AZ	Total Electric Industry	10.73	9.35	6.65	0.00	NA	9.56
2009	CA	Total Electric Industry	14.74	13.27	10.42	8.35	NA	13.24
2009	CO	Total Electric Industry	10.00	8.15	6.39	8.14	NA	8.31
2009	CT	Total Electric Industry	20.33	16.87	14.99	11.95	NA	18.07
2009	DC	Total Electric Industry	13.73	13.26	8.38	13.12	NA	13.23
2009	DE	Total Electric Industry	14.07	12.03	9.51	0.00	NA	12.20
2009	FL	Total Electric Industry	12.39	10.77	9.32	10.48	NA	11.49
2009	GA	Total Electric Industry	10.13	8.94	6.12	7.03	NA	8.81
2009	HI	Total Electric Industry	24.20	21.86	18.14	0.00	NA	21.21
2009	IA	Total Electric Industry	9.99	7.55	5.27	0.00	NA	7.37
2009	ID	Total Electric Industry	7.80	6.49	5.17	0.00	NA	6.51
2009	IL	Total Electric Industry	11.27	9.05	7.01	8.39	NA	9.15
2009	IN	Total Electric Industry	9.50	8.32	5.81	9.65	NA	7.62
2009	KS	Total Electric Industry	9.53	7.87	6.10	0.00	NA	7.98
2009	KY	Total Electric Industry	8.37	7.63	4.92	0.00	NA	6.52
2009	LA	Total Electric Industry	8.10	7.69	5.25	10.09	NA	7.06
2009	MA	Total Electric Industry	16.66	16.21	13.53	0.00	NA	16.07
2009	MD	Total Electric Industry	14.98	11.98	9.96	10.50	NA	13.09
2009	ME	Total Electric Industry	15.64	12.60	10.03	0.00	NA	13.12
2009	MI	Total Electric Industry	11.60	9.24	6.98	10.79	NA	9.40
2009	MN	Total Electric Industry	10.04	7.92	6.26	7.73	NA	8.14
2009	MO	Total Electric Industry	8.54	6.96	5.42	5.83	NA	7.35
2009	MS	Total Electric Industry	10.22	9.50	6.61	0.00	NA	8.85
2009	MT	Total Electric Industry	8.94	8.32	5.46	0.00	NA	7.58
2009	NC	Total Electric Industry	9.99	7.98	5.99	6.83	NA	8.48
2009	ND	Total Electric Industry	7.58	6.81	5.25	0.00	NA	6.63
2009	NE	Total Electric Industry	8.52	7.33	5.75	0.00	NA	7.21
2009	NH	Total Electric Industry	16.39	14.36	13.73	0.00	NA	15.09
2009	NJ	Total Electric Industry	16.31	13.84	11.89	12.50	NA	14.53
2009	NM	Total Electric Industry	10.02	8.40	5.72	0.00	NA	8.09
2009	NV	Total Electric Industry	12.86	10.64	7.97	9.95	NA	10.36
2009	NY	Total Electric Industry	17.50	15.48	8.37	13.13	NA	15.44
2009	OH	Total Electric Industry	10.67	9.65	6.72	10.73	NA	9.02
2009	OK	Total Electric Industry	8.49	6.76	4.82	0.00	NA	6.94
2009	OR	Total Electric Industry	8.68	7.50	5.40	6.83	NA	7.47
2009	PA	Total Electric Industry	11.65	9.55	7.21	7.77	NA	9.60
2009	RI	Total Electric Industry	15.60	13.66	12.22	0.00	NA	14.22
2009	SC	Total Electric Industry	10.44	8.74	5.79	0.00	NA	8.42
2009	SD	Total Electric Industry	8.49	7.14	5.65	0.00	NA	7.39
2009	TN	Total Electric Industry	9.32	9.61	6.76	10.69	NA	8.69
2009	TX	Total Electric Industry	12.38	9.66	6.74	9.83	NA	9.86
2009	UT	Total Electric Industry	8.48	6.96	4.81	8.31	NA	6.77
2009	VA	Total Electric Industry	10.61	8.06	6.91	8.42	NA	8.93
2009	VT	Total Electric Industry	14.90	12.93	9.21	0.00	NA	12.75
2009	WA	Total Electric Industry	7.67	6.97	4.40	5.91	NA	6.59
2009	WI	Total Electric Industry	11.94	9.57	6.73	0.00	NA	9.38
2009	WV	Total Electric Industry	7.90	6.77	5.24	7.56	NA	6.65
2009	WY	Total Electric Industry	8.58	7.28	4.83	0.00	NA	6.08
2009	US	Total Electric Industry	11.51	10.16	6.83	10.66	NA	9.82
2009	AK	Full-Service Providers	17.14	14.46	13.15	0.00	NA	15.09
2009	AL	Full-Service Providers	10.66	10.05	5.96	0.00	NA	8.83
2009	AR	Full-Service Providers	9.14	7.56	5.76	12.32	NA	7.57
2009	AZ	Full-Service Providers	10.73	9.35	6.65	0.00	NA	9.56
2009	CA	Full-Service Providers	14.74	13.35	10.39	9.05	NA	13.36
2009	CO	Full-Service Providers	10.00	8.15	6.39	8.14	NA	8.31
2009	CT	Full-Service Providers	20.36	17.55	13.01	0.00	NA	19.12
2009	DC	Full-Service Providers	13.68	15.12	0.00	0.00	NA	14.38
2009	DE	Full-Service Providers	14.04	13.89	10.93	0.00	NA	13.56
2009	FL	Full-Service Providers	12.39	10.77	9.32	10.48	NA	11.49
2009	GA	Full-Service Providers	10.13	8.94	6.12	7.03	NA	8.81
2009	HI	Full-Service Providers	24.20	21.86	18.14	0.00	NA	21.21
2009	IA	Full-Service Providers	9.99	7.55	5.27	0.00	NA	7.37
2009	ID	Full-Service Providers	7.80	6.49	5.17	0.00	NA	6.51
2009	IL	Full-Service Providers	11.27	9.76	5.93	7.80	NA	10.39
2009	IN	Full-Service Providers	9.50	8.32	5.81	9.65	NA	7.62
2009	KS	Full-Service Providers	9.53	7.87	6.10	0.00	NA	7.98
2009	KY	Full-Service Providers	8.37	7.63	4.92	0.00	NA	6.52
2009	LA	Full-Service Providers	8.10	7.69	5.25	10.09	NA	7.06
2009	MA	Full-Service Providers	16.66	16.21	13.53	0.00	NA	16.07

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2009	MD	Full-Service Providers	14.95	12.59	9.33	0.00	NA	14.22
2009	ME	Full-Service Providers	16.16	12.93	12.22	0.00	NA	14.46
2009	MI	Full-Service Providers	11.60	9.24	6.98	10.79	NA	9.45
2009	MN	Full-Service Providers	10.04	7.92	6.26	7.73	NA	8.14
2009	MO	Full-Service Providers	8.54	6.96	5.42	5.83	NA	7.35
2009	MS	Full-Service Providers	10.22	9.50	6.61	0.00	NA	8.85
2009	MT	Full-Service Providers	8.94	8.38	6.01	0.00	NA	8.22
2009	NC	Full-Service Providers	9.99	7.98	5.99	6.83	NA	8.48
2009	ND	Full-Service Providers	7.58	6.81	5.25	0.00	NA	6.63
2009	NE	Full-Service Providers	8.52	7.33	5.75	0.00	NA	7.21
2009	NH	Full-Service Providers	16.36	13.97	14.11	0.00	NA	15.17
2009	NJ	Full-Service Providers	16.31	14.59	11.70	10.76	NA	15.34
2009	NM	Full-Service Providers	10.02	8.40	5.72	0.00	NA	8.09
2009	NV	Full-Service Providers	12.86	10.64	8.21	9.95	NA	10.56
2009	NY	Full-Service Providers	17.16	16.21	8.62	14.97	NA	16.25
2009	OH	Full-Service Providers	10.63	9.64	6.76	10.73	NA	9.07
2009	OK	Full-Service Providers	8.49	6.76	4.82	0.00	NA	6.94
2009	OR	Full-Service Providers	8.68	7.53	5.26	6.83	NA	7.53
2009	PA	Full-Service Providers	11.60	9.52	7.16	7.73	NA	9.62
2009	RI	Full-Service Providers	15.60	14.10	12.83	0.00	NA	14.77
2009	SC	Full-Service Providers	10.44	8.74	5.79	0.00	NA	8.42
2009	SD	Full-Service Providers	8.49	7.14	5.65	0.00	NA	7.39
2009	TN	Full-Service Providers	9.32	9.61	6.76	10.69	NA	8.69
2009	TX	Full-Service Providers	12.38	9.66	6.74	9.83	NA	9.86
2009	UT	Full-Service Providers	8.48	6.96	4.81	8.31	NA	6.77
2009	VA	Full-Service Providers	10.61	8.06	6.91	8.42	NA	8.93
2009	VT	Full-Service Providers	14.90	12.93	9.21	0.00	NA	12.75
2009	WA	Full-Service Providers	7.67	6.98	4.40	5.91	NA	6.72
2009	WI	Full-Service Providers	11.94	9.57	6.73	0.00	NA	9.38
2009	WV	Full-Service Providers	7.90	6.77	5.24	7.56	NA	6.65
2009	WY	Full-Service Providers	8.58	7.28	4.83	0.00	NA	6.08
2009	US	Full-Service Providers	11.43	9.82	6.57	9.17	NA	9.67
2009	CA	Restructured Retail Service Providers	15.39	12.34	10.59	7.41	NA	11.54
2009	CT	Restructured Retail Service Providers	20.12	16.52	15.82	11.95	NA	16.72
2009	DC	Restructured Retail Service Providers	15.21	12.82	8.38	13.12	NA	12.72
2009	DE	Restructured Retail Service Providers	15.80	10.45	8.65	0.00	NA	9.79
2009	ID	Restructured Retail Service Providers	0.00	0.00	0.00	0.00	NA	0.00
2009	IL	Restructured Retail Service Providers	11.24	8.37	7.17	8.41	NA	7.68
2009	MA	Restructured Retail Service Providers	18.55	14.68	14.27	6.20	NA	14.69
2009	MD	Restructured Retail Service Providers	15.78	11.72	10.09	10.50	NA	11.56
2009	ME	Restructured Retail Service Providers	15.63	12.60	10.01	0.00	NA	13.11
2009	MI	Restructured Retail Service Providers	11.48	9.35	7.07	0.00	NA	8.41
2009	MT	Restructured Retail Service Providers	8.97	6.79	5.09	0.00	NA	5.19
2009	NH	Restructured Retail Service Providers	19.11	16.04	13.41	0.00	NA	14.74
2009	NJ	Restructured Retail Service Providers	16.35	12.67	11.98	12.60	NA	12.48
2009	NV	Restructured Retail Service Providers	0.00	8.30	6.05	0.00	NA	6.05
2009	NY	Restructured Retail Service Providers	19.64	14.96	8.23	12.92	NA	14.44
2009	OH	Restructured Retail Service Providers	11.39	9.78	6.48	0.00	NA	8.53
2009	OR	Restructured Retail Service Providers	0.00	6.52	6.18	0.00	NA	6.25
2009	PA	Restructured Retail Service Providers	13.98	9.72	7.75	9.76	NA	9.41
2009	RI	Restructured Retail Service Providers	16.05	12.93	11.73	0.00	NA	12.60
2009	VA	Restructured Retail Service Providers	14.13	8.00	0.00	0.00	NA	14.06
2009	WA	Restructured Retail Service Providers	0.00	5.08	4.41	0.00	NA	4.42
2009	US	Restructured Retail Service Providers	16.98	12.54	8.85	11.36	NA	11.48
2009	CA	Energy-Only Providers	8.37	7.74	7.63	6.64	NA	7.68
2009	CT	Energy-Only Providers	11.17	10.27	10.95	8.65	NA	10.49
2009	DC	Energy-Only Providers	12.26	9.34	7.14	10.26	NA	9.33
2009	DE	Energy-Only Providers	11.63	9.44	8.22	0.00	NA	8.97
2009	ID	Energy-Only Providers	0.00	0.00	0.00	0.00	NA	0.00
2009	IL	Energy-Only Providers	7.63	6.67	6.21	7.22	NA	6.40
2009	MA	Energy-Only Providers	11.78	9.79	9.85	5.26	NA	9.93
2009	MD	Energy-Only Providers	12.17	9.51	8.92	9.28	NA	9.50
2009	ME	Energy-Only Providers	9.03	8.42	7.99	0.00	NA	8.55
2009	MI	Energy-Only Providers	6.28	7.26	5.97	0.00	NA	6.73
2009	MT	Energy-Only Providers	5.40	4.59	4.61	0.00	NA	4.61
2009	NH	Energy-Only Providers	10.62	10.26	9.22	0.00	NA	9.72
2009	NJ	Energy-Only Providers	10.91	8.94	8.50	9.72	NA	8.83
2009	NV	Energy-Only Providers	0.00	7.09	5.78	0.00	NA	5.78
2009	NY	Energy-Only Providers	10.35	9.04	5.55	9.25	NA	8.70
2009	OH	Energy-Only Providers	6.24	6.22	5.16	0.00	NA	5.71
2009	OR	Energy-Only Providers	0.00	4.74	5.44	0.00	NA	5.30
2009	PA	Energy-Only Providers	8.79	7.80	6.95	7.07	NA	7.58
2009	RI	Energy-Only Providers	10.23	8.72	8.50	0.00	NA	8.66
2009	VA	Energy-Only Providers	11.71	5.00	0.00	0.00	NA	11.63
2009	WA	Energy-Only Providers	0.00	4.02	4.03	0.00	NA	4.03
2009	US	Energy-Only Providers	9.72	8.60	6.94	8.67	NA	8.08

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2009	CA	Delivery-Only Service	7.01	4.60	2.97	0.77	NA	3.87
2009	CT	Delivery-Only Service	8.95	6.25	4.86	3.30	NA	6.23
2009	DC	Delivery-Only Service	2.95	3.48	1.24	2.87	NA	3.39
2009	DE	Delivery-Only Service	4.17	1.00	0.42	0.00	NA	0.82
2009	ID	Delivery-Only Service	0.00	0.00	0.00	0.00	NA	0.00
2009	IL	Delivery-Only Service	3.61	1.70	0.97	1.19	NA	1.27
2009	MA	Delivery-Only Service	6.78	4.89	4.42	0.95	NA	4.76
2009	MD	Delivery-Only Service	3.61	2.21	1.16	1.22	NA	2.06
2009	ME	Delivery-Only Service	6.59	4.18	2.02	0.00	NA	4.56
2009	MI	Delivery-Only Service	5.20	2.09	1.10	0.00	NA	1.68
2009	MT	Delivery-Only Service	3.57	2.21	0.48	0.00	NA	0.58
2009	NH	Delivery-Only Service	8.49	5.79	4.19	0.00	NA	5.02
2009	NJ	Delivery-Only Service	5.44	3.73	3.48	2.87	NA	3.65
2009	NV	Delivery-Only Service	0.00	1.21	0.27	0.00	NA	0.27
2009	NY	Delivery-Only Service	9.29	5.93	2.68	3.67	NA	5.73
2009	OH	Delivery-Only Service	5.16	3.56	1.32	0.00	NA	2.81
2009	OR	Delivery-Only Service	0.00	1.78	0.73	0.00	NA	0.95
2009	PA	Delivery-Only Service	5.19	1.92	0.79	2.69	NA	1.82
2009	RI	Delivery-Only Service	5.82	4.21	3.23	0.00	NA	3.94
2009	VA	Delivery-Only Service	2.42	3.00	0.00	0.00	NA	2.43
2009	WA	Delivery-Only Service	0.00	1.06	0.38	0.00	NA	0.39
2009	US	Delivery-Only Service	7.27	3.95	1.90	2.69	NA	3.41
2008	AK	Total Electric Industry	16.56	13.64	14.17	0.00	NA	14.74
2008	AL	Total Electric Industry	10.40	9.87	6.11	0.00	NA	8.59
2008	AR	Total Electric Industry	9.27	7.61	5.89	11.79	NA	7.60
2008	AZ	Total Electric Industry	10.27	8.93	6.57	0.00	NA	9.11
2008	CA	Total Electric Industry	13.81	12.54	10.09	8.16	NA	12.49
2008	CO	Total Electric Industry	10.13	8.57	6.65	8.32	NA	8.59
2008	CT	Total Electric Industry	19.54	17.12	14.93	15.44	NA	17.80
2008	DC	Total Electric Industry	12.78	13.30	10.65	14.01	NA	13.18
2008	DE	Total Electric Industry	13.93	12.10	10.49	0.00	NA	12.38
2008	FL	Total Electric Industry	11.65	10.14	8.25	10.18	NA	10.74
2008	GA	Total Electric Industry	9.93	9.07	6.67	7.15	NA	8.84
2008	HI	Total Electric Industry	32.50	29.72	26.05	0.00	NA	29.20
2008	IA	Total Electric Industry	9.49	7.18	4.81	0.00	NA	6.89
2008	ID	Total Electric Industry	6.99	5.72	4.48	0.00	NA	5.69
2008	IL	Total Electric Industry	11.07	9.25	7.34	7.53	NA	9.23
2008	IN	Total Electric Industry	8.87	7.82	5.46	9.60	NA	7.09
2008	KS	Total Electric Industry	8.89	7.44	5.69	0.00	NA	7.45
2008	KY	Total Electric Industry	7.94	7.29	4.82	0.00	NA	6.26
2008	LA	Total Electric Industry	10.28	10.12	7.94	11.88	NA	9.44
2008	MA	Total Electric Industry	17.56	16.07	14.14	10.06	NA	16.23
2008	MD	Total Electric Industry	13.84	12.77	10.38	11.77	NA	13.01
2008	ME	Total Electric Industry	16.24	12.95	11.56	0.00	NA	13.80
2008	MI	Total Electric Industry	10.75	9.17	6.73	11.83	NA	8.93
2008	MN	Total Electric Industry	9.74	7.88	5.87	8.04	NA	7.79
2008	MO	Total Electric Industry	8.00	6.61	4.92	5.40	NA	6.84
2008	MS	Total Electric Industry	10.39	10.02	6.56	0.00	NA	8.99
2008	MT	Total Electric Industry	9.13	8.54	5.91	0.00	NA	7.72
2008	NC	Total Electric Industry	9.52	7.55	5.54	6.57	NA	7.96
2008	ND	Total Electric Industry	7.52	6.81	5.59	0.00	NA	6.69
2008	NE	Total Electric Industry	7.87	6.68	5.16	0.00	NA	6.58
2008	NH	Total Electric Industry	15.68	14.30	13.13	0.00	NA	14.63
2008	NJ	Total Electric Industry	15.66	14.03	12.54	13.23	NA	14.43
2008	NM	Total Electric Industry	10.01	8.67	6.38	0.00	NA	8.35
2008	NV	Total Electric Industry	11.93	10.07	7.98	9.47	NA	9.89
2008	NY	Total Electric Industry	18.31	16.79	9.39	12.64	NA	16.47
2008	OH	Total Electric Industry	10.06	9.23	6.20	10.68	NA	8.39
2008	OK	Total Electric Industry	9.09	7.88	5.90	0.00	NA	7.81
2008	OR	Total Electric Industry	8.49	7.29	5.26	6.75	NA	7.24
2008	PA	Total Electric Industry	11.35	9.39	7.03	7.57	NA	9.33
2008	RI	Total Electric Industry	17.45	15.40	14.23	0.00	NA	16.04
2008	SC	Total Electric Industry	9.89	8.42	5.37	0.00	NA	7.85
2008	SD	Total Electric Industry	8.27	6.97	5.31	0.00	NA	7.14
2008	TN	Total Electric Industry	8.91	9.24	6.29	10.17	NA	8.18
2008	TX	Total Electric Industry	13.03	10.75	8.79	8.64	NA	10.99
2008	UT	Total Electric Industry	8.26	6.66	4.59	7.85	NA	6.49
2008	VA	Total Electric Industry	9.62	7.32	5.82	7.80	NA	8.00
2008	VT	Total Electric Industry	14.48	12.49	9.19	0.00	NA	12.33
2008	WA	Total Electric Industry	7.54	6.77	4.52	5.82	NA	6.55
2008	WI	Total Electric Industry	11.51	9.28	6.51	0.00	NA	9.00
2008	WV	Total Electric Industry	7.06	6.08	4.20	6.32	NA	5.61
2008	WY	Total Electric Industry	8.21	6.71	4.47	0.00	NA	5.67
2008	US	Total Electric Industry	11.26	10.26	6.96	10.71	NA	9.74
2008	AK	Full-Service Providers	16.56	13.64	14.17	0.00	NA	14.74
2008	AL	Full-Service Providers	10.40	9.87	6.11	0.00	NA	8.59

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2008	AR	Full-Service Providers	9.27	7.61	5.89	11.79	NA	7.60
2008	AZ	Full-Service Providers	10.27	8.93	6.57	0.00	NA	9.11
2008	CA	Full-Service Providers	13.79	12.41	9.77	8.58	NA	12.45
2008	CO	Full-Service Providers	10.13	8.57	6.65	8.32	NA	8.59
2008	CT	Full-Service Providers	19.49	17.48	13.95	20.01	NA	18.46
2008	DC	Full-Service Providers	12.74	15.02	0.00	0.00	NA	13.90
2008	DE	Full-Service Providers	13.89	13.19	11.66	0.00	NA	13.37
2008	FL	Full-Service Providers	11.65	10.14	8.25	10.18	NA	10.74
2008	GA	Full-Service Providers	9.93	9.07	6.67	7.15	NA	8.84
2008	HI	Full-Service Providers	32.50	29.72	26.05	0.00	NA	29.20
2008	IA	Full-Service Providers	9.49	7.18	4.81	0.00	NA	6.89
2008	ID	Full-Service Providers	6.99	5.72	4.48	0.00	NA	5.69
2008	IL	Full-Service Providers	11.07	9.99	6.61	8.22	NA	10.35
2008	IN	Full-Service Providers	8.87	7.82	5.46	9.60	NA	7.09
2008	KS	Full-Service Providers	8.89	7.44	5.69	0.00	NA	7.45
2008	KY	Full-Service Providers	7.94	7.29	4.82	0.00	NA	6.26
2008	LA	Full-Service Providers	10.28	10.12	7.94	11.88	NA	9.44
2008	MA	Full-Service Providers	17.40	16.88	13.71	0.00	NA	16.75
2008	MD	Full-Service Providers	13.78	14.22	10.33	0.00	NA	13.82
2008	ME	Full-Service Providers	15.20	12.53	10.87	0.00	NA	13.56
2008	MI	Full-Service Providers	10.75	9.10	6.73	11.83	NA	8.93
2008	MN	Full-Service Providers	9.74	7.88	5.87	8.04	NA	7.79
2008	MO	Full-Service Providers	8.00	6.61	4.92	5.40	NA	6.84
2008	MS	Full-Service Providers	10.39	10.02	6.56	0.00	NA	8.99
2008	MT	Full-Service Providers	9.13	8.57	5.72	0.00	NA	8.06
2008	NC	Full-Service Providers	9.52	7.55	5.54	6.57	NA	7.96
2008	ND	Full-Service Providers	7.51	6.81	5.59	0.00	NA	6.69
2008	NE	Full-Service Providers	7.87	6.68	5.16	0.00	NA	6.58
2008	NH	Full-Service Providers	15.68	14.09	12.91	0.00	NA	14.59
2008	NJ	Full-Service Providers	15.66	14.12	11.13	13.75	NA	14.62
2008	NM	Full-Service Providers	10.01	8.67	6.38	0.00	NA	8.35
2008	NV	Full-Service Providers	11.93	10.07	8.04	9.47	NA	9.98
2008	NY	Full-Service Providers	17.98	17.95	10.55	20.51	NA	17.46
2008	OH	Full-Service Providers	10.03	9.15	6.16	10.68	NA	8.37
2008	OK	Full-Service Providers	9.09	7.88	5.90	0.00	NA	7.81
2008	OR	Full-Service Providers	8.49	7.26	4.90	6.75	NA	7.22
2008	PA	Full-Service Providers	11.29	9.28	7.00	7.53	NA	9.32
2008	RI	Full-Service Providers	17.46	16.04	14.86	0.00	NA	16.55
2008	SC	Full-Service Providers	9.89	8.42	5.37	0.00	NA	7.85
2008	SD	Full-Service Providers	8.27	6.97	5.31	0.00	NA	7.14
2008	TN	Full-Service Providers	8.91	9.24	6.29	10.17	NA	8.18
2008	TX	Full-Service Providers	13.03	10.75	8.79	8.64	NA	10.99
2008	UT	Full-Service Providers	8.26	6.66	4.59	7.85	NA	6.49
2008	VA	Full-Service Providers	9.61	7.32	5.82	7.80	NA	8.00
2008	VT	Full-Service Providers	14.48	12.49	9.19	0.00	NA	12.33
2008	WA	Full-Service Providers	7.54	6.77	4.32	5.82	NA	6.55
2008	WI	Full-Service Providers	11.51	9.28	6.51	0.00	NA	9.00
2008	WV	Full-Service Providers	7.06	6.08	4.20	6.32	NA	5.61
2008	WY	Full-Service Providers	8.21	6.71	4.47	0.00	NA	5.67
2008	US	Full-Service Providers	11.18	9.83	6.72	9.91	NA	9.55
2008	CA	Restructured Retail Service Providers	20.50	13.99	11.85	7.62	NA	13.02
2008	CT	Restructured Retail Service Providers	20.22	16.85	15.40	14.35	NA	16.71
2008	DC	Restructured Retail Service Providers	15.24	12.83	10.65	14.01	NA	12.81
2008	DE	Restructured Retail Service Providers	15.90	10.79	9.82	0.00	NA	10.44
2008	ID	Restructured Retail Service Providers	0.00	0.00	0.00	0.00	NA	0.00
2008	IL	Restructured Retail Service Providers	11.52	8.44	7.46	7.50	NA	7.84
2008	MA	Restructured Retail Service Providers	19.10	15.58	14.49	10.06	NA	15.55
2008	MD	Restructured Retail Service Providers	15.80	12.09	10.39	11.77	NA	11.89
2008	ME	Restructured Retail Service Providers	16.26	12.96	11.56	0.00	NA	13.80
2008	MI	Restructured Retail Service Providers	10.71	10.67	6.65	0.00	NA	9.08
2008	MT	Restructured Retail Service Providers	9.19	7.85	6.12	0.00	NA	6.23
2008	NH	Restructured Retail Service Providers	14.73	16.31	13.96	0.00	NA	15.10
2008	NJ	Restructured Retail Service Providers	15.98	13.80	13.52	13.11	NA	13.69
2008	NV	Restructured Retail Service Providers	0.00	0.00	7.48	0.00	NA	7.48
2008	NY	Restructured Retail Service Providers	20.89	15.95	8.65	11.67	NA	15.17
2008	OH	Restructured Retail Service Providers	10.74	9.95	6.56	0.00	NA	8.66
2008	OR	Restructured Retail Service Providers	0.00	7.90	7.52	0.00	NA	7.63
2008	PA	Restructured Retail Service Providers	14.42	10.20	7.35	9.11	NA	9.40
2008	RI	Restructured Retail Service Providers	16.46	12.76	12.98	0.00	NA	12.86
2008	VA	Restructured Retail Service Providers	13.00	7.38	0.00	0.00	NA	12.95
2008	WA	Restructured Retail Service Providers	0.00	6.94	6.44	0.00	NA	6.46
2008	US	Restructured Retail Service Providers	17.51	13.30	9.14	11.11	NA	12.05
2008	CA	Energy-Only Providers	13.68	9.16	8.66	7.00	NA	8.95
2008	CT	Energy-Only Providers	11.91	11.20	11.31	11.90	NA	11.29
2008	DC	Energy-Only Providers	12.39	9.50	9.50	11.26	NA	9.58
2008	DE	Energy-Only Providers	11.96	9.81	9.41	0.00	NA	9.66

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2008	ID	Energy-Only Providers	0.00	0.00	0.00	0.00	NA	0.00
2008	IL	Energy-Only Providers	8.52	6.96	6.63	6.54	NA	6.75
2008	MA	Energy-Only Providers	12.08	10.77	10.75	9.37	NA	10.85
2008	MD	Energy-Only Providers	12.30	9.98	9.41	10.57	NA	9.95
2008	ME	Energy-Only Providers	9.70	8.89	9.72	0.00	NA	9.42
2008	MI	Energy-Only Providers	5.27	8.57	5.67	0.00	NA	7.43
2008	MT	Energy-Only Providers	5.48	5.60	5.59	0.00	NA	5.59
2008	NH	Energy-Only Providers	8.76	12.79	10.55	0.00	NA	11.65
2008	NJ	Energy-Only Providers	11.71	10.39	10.35	10.92	NA	10.39
2008	NV	Energy-Only Providers	0.00	0.00	7.26	0.00	NA	7.26
2008	NY	Energy-Only Providers	13.43	10.97	6.50	8.38	NA	10.44
2008	OH	Energy-Only Providers	5.52	5.65	4.38	0.00	NA	5.09
2008	OR	Energy-Only Providers	0.00	6.74	6.78	0.00	NA	6.77
2008	PA	Energy-Only Providers	9.26	8.13	6.66	6.52	NA	7.61
2008	RI	Energy-Only Providers	12.12	8.57	9.39	0.00	NA	8.86
2008	VA	Energy-Only Providers	10.47	3.28	0.00	0.00	NA	10.41
2008	WA	Energy-Only Providers	0.00	6.06	6.08	0.00	NA	6.08
2008	US	Energy-Only Providers	10.94	9.63	7.53	8.77	NA	8.96
2008	CA	Delivery-Only Service	6.82	4.83	3.19	0.62	NA	4.07
2008	CT	Delivery-Only Service	8.31	5.65	4.09	2.44	NA	5.41
2008	DC	Delivery-Only Service	2.85	3.33	1.16	2.76	NA	3.23
2008	DE	Delivery-Only Service	3.94	0.98	0.41	0.00	NA	0.77
2008	ID	Delivery-Only Service	0.00	0.00	0.00	0.00	NA	0.00
2008	IL	Delivery-Only Service	3.00	1.49	0.83	0.97	NA	1.08
2008	MA	Delivery-Only Service	7.02	4.81	3.74	0.69	NA	4.70
2008	MD	Delivery-Only Service	3.50	2.12	0.99	1.20	NA	1.93
2008	ME	Delivery-Only Service	6.55	4.07	1.84	0.00	NA	4.38
2008	MI	Delivery-Only Service	5.43	2.10	0.98	0.00	NA	1.66
2008	MT	Delivery-Only Service	3.70	2.25	0.53	0.00	NA	0.63
2008	NH	Delivery-Only Service	5.97	3.51	3.40	0.00	NA	3.46
2008	NJ	Delivery-Only Service	4.27	3.40	3.17	2.18	NA	3.30
2008	NV	Delivery-Only Service	0.00	0.00	0.22	0.00	NA	0.22
2008	NY	Delivery-Only Service	7.46	4.98	2.15	3.29	NA	4.73
2008	OH	Delivery-Only Service	5.22	4.29	2.18	0.00	NA	3.57
2008	OR	Delivery-Only Service	0.00	1.16	0.74	0.00	NA	0.86
2008	PA	Delivery-Only Service	5.16	2.07	0.69	2.59	NA	1.79
2008	RI	Delivery-Only Service	4.34	4.19	3.59	0.00	NA	4.00
2008	VA	Delivery-Only Service	2.53	4.10	0.00	0.00	NA	2.54
2008	WA	Delivery-Only Service	0.00	0.87	0.37	0.00	NA	0.38
2008	US	Delivery-Only Service	6.58	3.67	1.61	2.35	NA	3.10
2007	AK	Total Electric Industry	15.18	12.19	12.63	0.00	NA	13.28
2007	AL	Total Electric Industry	9.32	8.70	5.27	0.00	NA	7.57
2007	AR	Total Electric Industry	8.73	6.91	5.25	0.00	NA	6.96
2007	AZ	Total Electric Industry	9.66	8.27	6.05	0.00	NA	8.54
2007	CA	Total Electric Industry	14.42	12.82	9.98	8.37	NA	12.80
2007	CO	Total Electric Industry	9.25	7.62	5.97	7.18	NA	7.76
2007	CT	Total Electric Industry	19.11	15.39	12.92	14.18	NA	16.45
2007	DC	Total Electric Industry	11.18	12.01	9.32	11.32	NA	11.79
2007	DE	Total Electric Industry	13.16	11.21	8.93	0.00	NA	11.35
2007	FL	Total Electric Industry	11.22	9.75	7.76	9.73	NA	10.33
2007	GA	Total Electric Industry	9.10	8.07	5.53	6.42	NA	7.86
2007	HI	Total Electric Industry	24.12	21.91	18.38	0.00	NA	21.29
2007	IA	Total Electric Industry	9.45	7.11	4.74	0.00	NA	6.83
2007	ID	Total Electric Industry	6.36	5.14	3.87	0.00	NA	5.07
2007	IL	Total Electric Industry	10.12	8.57	6.61	6.43	NA	8.46
2007	IN	Total Electric Industry	8.26	7.29	4.89	10.09	NA	6.50
2007	KS	Total Electric Industry	8.19	6.83	5.13	0.00	NA	6.84
2007	KY	Total Electric Industry	7.34	6.76	4.47	0.00	NA	5.84
2007	LA	Total Electric Industry	9.37	9.13	6.77	13.91	NA	8.39
2007	MA	Total Electric Industry	16.23	15.20	13.03	9.24	NA	15.16
2007	MD	Total Electric Industry	11.89	11.58	9.41	10.15	NA	11.50
2007	ME	Total Electric Industry	16.52	12.94	14.11	0.00	NA	14.59
2007	MI	Total Electric Industry	10.21	8.77	6.47	9.76	NA	8.53
2007	MN	Total Electric Industry	9.18	7.48	5.69	8.27	NA	7.44
2007	MO	Total Electric Industry	7.69	6.34	4.76	6.16	NA	6.56
2007	MS	Total Electric Industry	9.36	8.92	5.75	0.00	NA	8.03
2007	MT	Total Electric Industry	8.77	8.10	5.16	0.00	NA	7.13
2007	NC	Total Electric Industry	9.40	7.43	5.47	9.09	NA	7.83
2007	ND	Total Electric Industry	7.30	6.58	5.24	0.00	NA	6.42
2007	NE	Total Electric Industry	7.59	6.39	4.78	0.00	NA	6.28
2007	NH	Total Electric Industry	14.88	13.91	12.27	0.00	NA	13.98
2007	NJ	Total Electric Industry	14.14	12.99	10.08	11.14	NA	13.01
2007	NM	Total Electric Industry	9.12	7.66	5.60	0.00	NA	7.44
2007	NV	Total Electric Industry	11.82	10.09	8.28	9.98	NA	9.99
2007	NY	Total Electric Industry	17.10	15.92	8.71	10.96	NA	15.22
2007	OH	Total Electric Industry	9.57	8.67	5.76	9.98	NA	7.91

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2007	OK	Total Electric Industry	8.58	7.33	5.41	0.00	NA	7.29
2007	OR	Total Electric Industry	8.19	7.20	5.06	6.71	NA	7.02
2007	PA	Total Electric Industry	10.95	9.20	6.87	7.72	NA	9.08
2007	RI	Total Electric Industry	14.05	12.67	12.04	0.00	NA	13.12
2007	SC	Total Electric Industry	9.19	7.74	4.83	0.00	NA	7.18
2007	SD	Total Electric Industry	8.07	6.61	5.09	0.00	NA	6.89
2007	TN	Total Electric Industry	7.84	8.09	5.19	10.31	NA	7.07
2007	TX	Total Electric Industry	12.34	9.87	7.79	8.40	NA	10.11
2007	UT	Total Electric Industry	8.15	6.54	4.52	7.44	NA	6.41
2007	VA	Total Electric Industry	8.74	6.38	5.07	6.73	NA	7.12
2007	VT	Total Electric Industry	14.15	12.29	8.92	0.00	NA	12.04
2007	WA	Total Electric Industry	7.26	6.55	4.57	5.74	NA	6.37
2007	WI	Total Electric Industry	10.87	8.71	6.16	0.00	NA	8.48
2007	WV	Total Electric Industry	6.73	5.85	3.95	6.42	NA	5.34
2007	WY	Total Electric Industry	7.75	6.25	4.10	0.00	NA	5.29
2007	US	Total Electric Industry	10.65	9.65	6.39	9.70	NA	9.13
2007	AK	Full-Service Providers	15.18	12.19	12.63	0.00	NA	13.28
2007	AL	Full-Service Providers	9.32	8.70	5.27	0.00	NA	7.57
2007	AR	Full-Service Providers	8.73	6.91	5.25	0.00	NA	6.96
2007	AZ	Full-Service Providers	9.66	8.27	6.05	0.00	NA	8.54
2007	CA	Full-Service Providers	14.41	12.82	9.88	8.28	NA	12.89
2007	CO	Full-Service Providers	9.25	7.62	5.97	7.18	NA	7.76
2007	CT	Full-Service Providers	19.45	15.47	11.12	14.79	NA	17.06
2007	DC	Full-Service Providers	11.16	13.72	0.00	0.00	NA	12.53
2007	DE	Full-Service Providers	13.18	12.61	9.91	0.00	NA	12.51
2007	FL	Full-Service Providers	11.22	9.75	7.76	9.73	NA	10.33
2007	GA	Full-Service Providers	9.10	8.07	5.53	6.42	NA	7.86
2007	HI	Full-Service Providers	24.12	21.91	18.38	0.00	NA	21.29
2007	IA	Full-Service Providers	9.45	7.11	4.74	0.00	NA	6.83
2007	ID	Full-Service Providers	6.36	5.14	3.87	0.00	NA	5.07
2007	IL	Full-Service Providers	10.12	9.41	6.46	5.04	NA	9.57
2007	IN	Full-Service Providers	8.26	7.29	4.89	10.09	NA	6.50
2007	KS	Full-Service Providers	8.19	6.83	5.13	0.00	NA	6.84
2007	KY	Full-Service Providers	7.34	6.76	4.47	0.00	NA	5.84
2007	LA	Full-Service Providers	9.37	9.13	6.77	13.91	NA	8.39
2007	MA	Full-Service Providers	16.11	15.71	11.61	9.90	NA	15.43
2007	MD	Full-Service Providers	11.87	12.78	9.82	0.00	NA	12.06
2007	ME	Full-Service Providers	13.07	11.86	10.63	0.00	NA	12.21
2007	MI	Full-Service Providers	10.21	8.73	6.57	9.76	NA	8.58
2007	MN	Full-Service Providers	9.18	7.48	5.69	8.27	NA	7.44
2007	MO	Full-Service Providers	7.69	6.34	4.76	6.16	NA	6.56
2007	MS	Full-Service Providers	9.36	8.92	5.75	0.00	NA	8.03
2007	MT	Full-Service Providers	8.77	8.18	5.24	0.00	NA	7.56
2007	NC	Full-Service Providers	9.40	7.43	5.47	9.09	NA	7.83
2007	ND	Full-Service Providers	7.30	6.58	5.24	0.00	NA	6.42
2007	NE	Full-Service Providers	7.59	6.39	4.78	0.00	NA	6.28
2007	NH	Full-Service Providers	14.88	14.03	11.92	0.00	NA	14.09
2007	NJ	Full-Service Providers	14.14	13.22	8.46	6.51	NA	13.19
2007	NM	Full-Service Providers	9.12	7.66	5.60	0.00	NA	7.44
2007	NV	Full-Service Providers	11.82	10.09	8.42	9.98	NA	10.10
2007	NY	Full-Service Providers	17.01	16.54	9.33	13.59	NA	16.16
2007	OH	Full-Service Providers	9.54	8.59	5.73	9.98	NA	7.89
2007	OK	Full-Service Providers	8.58	7.33	5.41	0.00	NA	7.29
2007	OR	Full-Service Providers	8.19	7.18	4.83	6.71	NA	7.02
2007	PA	Full-Service Providers	10.90	9.18	6.90	7.68	NA	9.12
2007	RI	Full-Service Providers	14.04	12.73	11.73	0.00	NA	13.21
2007	SC	Full-Service Providers	9.19	7.74	4.83	0.00	NA	7.18
2007	SD	Full-Service Providers	8.07	6.61	5.09	0.00	NA	6.89
2007	TN	Full-Service Providers	7.84	8.09	5.19	10.31	NA	7.07
2007	TX	Full-Service Providers	12.34	9.87	7.79	8.40	NA	10.11
2007	UT	Full-Service Providers	8.15	6.54	4.52	7.44	NA	6.41
2007	VA	Full-Service Providers	8.74	6.38	5.07	6.73	NA	7.12
2007	VT	Full-Service Providers	14.15	12.29	8.92	0.00	NA	12.04
2007	WA	Full-Service Providers	7.26	6.55	4.38	5.74	NA	6.37
2007	WI	Full-Service Providers	10.87	8.71	6.16	0.00	NA	8.48
2007	WV	Full-Service Providers	6.73	5.85	3.95	6.42	NA	5.34
2007	WY	Full-Service Providers	7.75	6.25	4.10	0.00	NA	5.29
2007	US	Full-Service Providers	10.59	9.29	6.17	8.82	NA	8.98
2007	CA	Restructured Retail Service Providers	19.92	12.78	10.50	8.49	NA	11.79
2007	CT	Restructured Retail Service Providers	15.40	15.25	14.35	13.25	NA	14.98
2007	DC	Restructured Retail Service Providers	13.41	11.49	9.32	11.32	NA	11.41
2007	DE	Restructured Retail Service Providers	12.25	9.74	8.30	0.00	NA	9.10
2007	IL	Restructured Retail Service Providers	0.00	7.48	6.63	6.50	NA	6.94
2007	MA	Restructured Retail Service Providers	17.44	14.86	14.07	9.14	NA	14.79
2007	MD	Restructured Retail Service Providers	12.75	10.99	9.34	10.15	NA	10.72
2007	ME	Restructured Retail Service Providers	16.59	12.95	14.14	0.00	NA	14.63

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2007	MI	Restructured Retail Service Providers	0.00	9.56	5.17	0.00	NA	7.14
2007	MT	Restructured Retail Service Providers	7.14	5.82	5.04	0.00	NA	5.08
2007	NH	Restructured Retail Service Providers	16.07	13.34	13.12	0.00	NA	13.24
2007	NJ	Restructured Retail Service Providers	0.00	12.36	12.10	11.51	NA	12.27
2007	NV	Restructured Retail Service Providers	0.00	0.00	6.93	0.00	NA	6.93
2007	NY	Restructured Retail Service Providers	17.87	15.40	8.36	10.70	NA	13.91
2007	OH	Restructured Retail Service Providers	10.33	9.39	6.08	0.00	NA	8.17
2007	OR	Restructured Retail Service Providers	0.00	7.66	6.66	0.00	NA	6.92
2007	PA	Restructured Retail Service Providers	13.55	9.37	6.57	9.95	NA	8.52
2007	RI	Restructured Retail Service Providers	20.88	12.43	12.67	0.00	NA	12.54
2007	VA	Restructured Retail Service Providers	12.46	9.60	0.00	0.00	NA	10.70
2007	WA	Restructured Retail Service Providers	0.00	5.17	6.10	0.00	NA	6.10
2007	US	Restructured Retail Service Providers	15.80	12.35	8.37	10.11	NA	11.03
2007	CA	Energy-Only Providers	12.59	8.05	7.41	7.95	NA	7.82
2007	CT	Energy-Only Providers	11.42	10.36	10.93	10.75	NA	10.65
2007	DC	Energy-Only Providers	10.15	8.50	8.32	8.70	NA	8.51
2007	DE	Energy-Only Providers	10.92	8.79	7.94	0.00	NA	8.42
2007	IL	Energy-Only Providers	0.00	6.07	5.85	5.58	NA	5.93
2007	MA	Energy-Only Providers	10.67	10.32	10.65	8.48	NA	10.40
2007	MD	Energy-Only Providers	10.52	8.96	8.36	8.97	NA	8.89
2007	ME	Energy-Only Providers	9.55	8.24	12.13	0.00	NA	9.79
2007	MI	Energy-Only Providers	0.00	7.23	4.43	0.00	NA	5.68
2007	MT	Energy-Only Providers	3.57	3.69	4.50	0.00	NA	4.45
2007	NH	Energy-Only Providers	9.82	9.52	9.73	0.00	NA	9.62
2007	NJ	Energy-Only Providers	0.00	8.93	8.91	9.35	NA	8.93
2007	NV	Energy-Only Providers	0.00	0.00	6.73	0.00	NA	6.73
2007	NY	Energy-Only Providers	11.43	10.15	6.77	8.44	NA	9.47
2007	OH	Energy-Only Providers	5.31	5.11	4.08	0.00	NA	4.71
2007	OR	Energy-Only Providers	0.00	6.53	5.97	0.00	NA	6.12
2007	PA	Energy-Only Providers	8.39	7.17	5.87	7.22	NA	6.71
2007	RI	Energy-Only Providers	8.74	8.41	9.32	0.00	NA	8.72
2007	VA	Energy-Only Providers	9.92	8.97	0.00	0.00	NA	9.34
2007	WA	Energy-Only Providers	0.00	4.27	5.67	0.00	NA	5.67
2007	US	Energy-Only Providers	9.80	8.71	6.87	8.28	NA	8.09
2007	CA	Delivery-Only Service	7.33	4.73	3.09	0.54	NA	3.97
2007	CT	Delivery-Only Service	3.99	4.90	3.41	2.49	NA	4.33
2007	DC	Delivery-Only Service	3.26	2.99	1.00	2.62	NA	2.90
2007	DE	Delivery-Only Service	1.33	0.95	0.36	0.00	NA	0.68
2007	IL	Delivery-Only Service	0.00	1.41	0.79	0.92	NA	1.02
2007	MA	Delivery-Only Service	6.77	4.54	3.43	0.66	NA	4.40
2007	MD	Delivery-Only Service	2.24	2.03	0.98	1.18	NA	1.82
2007	ME	Delivery-Only Service	7.04	4.71	2.02	0.00	NA	4.83
2007	MI	Delivery-Only Service	0.00	2.34	0.75	0.00	NA	1.46
2007	MT	Delivery-Only Service	3.57	2.13	0.53	0.00	NA	0.63
2007	NH	Delivery-Only Service	6.25	3.82	3.39	0.00	NA	3.62
2007	NJ	Delivery-Only Service	0.00	3.43	3.19	2.16	NA	3.34
2007	NV	Delivery-Only Service	0.00	0.00	0.20	0.00	NA	0.20
2007	NY	Delivery-Only Service	6.45	5.25	1.58	2.26	NA	4.44
2007	OH	Delivery-Only Service	5.02	4.29	2.00	0.00	NA	3.46
2007	OR	Delivery-Only Service	0.00	1.13	0.68	0.00	NA	0.80
2007	PA	Delivery-Only Service	5.15	2.20	0.71	2.72	NA	1.81
2007	RI	Delivery-Only Service	12.14	4.02	3.36	0.00	NA	3.82
2007	VA	Delivery-Only Service	2.53	0.63	0.00	0.00	NA	1.36
2007	WA	Delivery-Only Service	0.00	0.90	0.42	0.00	NA	0.42
2007	US	Delivery-Only Service	6.00	3.63	1.50	1.84	NA	2.95
2006	AK	Total Electric Industry	14.83	11.93	11.54	0.00	NA	12.84
2006	AL	Total Electric Industry	8.75	8.18	4.90	0.00	NA	7.07
2006	AR	Total Electric Industry	8.85	6.96	5.24	0.00	NA	6.99
2006	AZ	Total Electric Industry	9.40	8.02	5.69	0.00	NA	8.24
2006	CA	Total Electric Industry	14.33	12.90	10.09	6.29	NA	12.82
2006	CO	Total Electric Industry	9.02	7.50	5.88	7.78	NA	7.61
2006	CT	Total Electric Industry	16.86	14.03	11.71	14.55	NA	14.83
2006	DC	Total Electric Industry	9.88	11.17	17.43	10.68	NA	11.08
2006	DE	Total Electric Industry	11.85	10.21	7.67	0.00	NA	10.13
2006	FL	Total Electric Industry	11.33	9.91	7.71	10.32	NA	10.45
2006	GA	Total Electric Industry	8.91	7.81	5.38	6.12	NA	7.63
2006	HI	Total Electric Industry	23.35	21.42	17.96	0.00	NA	20.72
2006	IA	Total Electric Industry	9.63	7.29	4.92	7.05	NA	7.01
2006	ID	Total Electric Industry	6.21	5.16	3.61	0.00	NA	4.92
2006	IL	Total Electric Industry	8.42	7.95	4.69	5.59	NA	7.07
2006	IN	Total Electric Industry	8.22	7.21	4.95	9.66	NA	6.46
2006	KS	Total Electric Industry	8.25	6.96	5.20	0.00	NA	6.89
2006	KY	Total Electric Industry	7.02	6.44	4.05	0.00	NA	5.43
2006	LA	Total Electric Industry	9.14	9.03	6.87	14.10	NA	8.30
2006	MA	Total Electric Industry	16.60	15.54	13.04	10.68	NA	15.45
2006	MD	Total Electric Industry	9.71	10.56	8.14	8.43	NA	9.95

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2006	ME	Total Electric Industry	13.80	12.42	8.83	0.00	NA	11.80
2006	MI	Total Electric Industry	9.77	8.51	6.05	10.06	NA	8.14
2006	MN	Total Electric Industry	8.70	7.02	5.29	7.95	NA	6.98
2006	MO	Total Electric Industry	7.44	6.08	4.58	5.75	NA	6.30
2006	MS	Total Electric Industry	9.66	9.37	5.94	0.00	NA	8.33
2006	MT	Total Electric Industry	8.28	7.44	5.12	0.00	NA	6.91
2006	NC	Total Electric Industry	9.12	7.17	5.23	3.23	NA	7.53
2006	ND	Total Electric Industry	7.14	6.30	5.00	0.00	NA	6.21
2006	NE	Total Electric Industry	7.41	6.19	4.56	0.00	NA	6.07
2006	NH	Total Electric Industry	14.68	14.07	11.62	0.00	NA	13.84
2006	NJ	Total Electric Industry	12.84	11.62	10.42	9.70	NA	11.88
2006	NM	Total Electric Industry	9.06	7.61	5.57	0.00	NA	7.37
2006	NV	Total Electric Industry	11.08	10.12	8.03	9.89	NA	9.63
2006	NY	Total Electric Industry	16.89	15.51	9.39	11.94	NA	15.27
2006	OH	Total Electric Industry	9.34	8.44	5.61	10.13	NA	7.71
2006	OK	Total Electric Industry	8.55	7.34	5.46	0.00	NA	7.30
2006	OR	Total Electric Industry	7.48	6.77	4.85	6.40	NA	6.53
2006	PA	Total Electric Industry	10.35	8.94	6.63	7.45	NA	8.68
2006	RI	Total Electric Industry	15.12	13.51	12.51	0.00	NA	13.98
2006	SC	Total Electric Industry	9.03	7.60	4.71	0.00	NA	6.98
2006	SD	Total Electric Industry	7.83	6.47	4.84	0.00	NA	6.70
2006	TN	Total Electric Industry	7.75	8.00	5.17	11.18	NA	6.97
2006	TX	Total Electric Industry	12.86	9.85	7.82	8.42	NA	10.34
2006	UT	Total Electric Industry	7.59	6.15	4.21	7.19	NA	5.99
2006	VA	Total Electric Industry	8.49	6.21	4.69	6.81	NA	6.86
2006	VT	Total Electric Industry	13.39	11.67	8.33	0.00	NA	11.37
2006	WA	Total Electric Industry	6.82	6.63	4.44	5.93	NA	6.14
2006	WI	Total Electric Industry	10.51	8.37	5.85	0.00	NA	8.13
2006	WV	Total Electric Industry	6.35	5.59	3.71	5.86	NA	5.04
2006	WY	Total Electric Industry	7.75	6.28	4.04	0.00	NA	5.27
2006	US	Total Electric Industry	10.40	9.46	6.16	9.54	NA	8.90
2006	AK	Full-Service Providers	14.83	11.93	11.54	0.00	NA	12.84
2006	AL	Full-Service Providers	8.75	8.18	4.90	0.00	NA	7.07
2006	AR	Full-Service Providers	8.85	6.96	5.24	0.00	NA	6.99
2006	AZ	Full-Service Providers	9.40	8.02	5.69	0.00	NA	8.24
2006	CA	Full-Service Providers	14.32	12.93	9.95	7.66	NA	12.92
2006	CO	Full-Service Providers	9.02	7.50	5.88	7.78	NA	7.61
2006	CT	Full-Service Providers	16.85	14.02	11.70	14.55	NA	14.85
2006	DC	Full-Service Providers	9.86	12.23	0.95	2.45	NA	12.13
2006	DE	Full-Service Providers	11.85	10.35	7.47	0.00	NA	10.52
2006	FL	Full-Service Providers	11.33	9.91	7.71	10.32	NA	10.45
2006	GA	Full-Service Providers	8.91	7.81	5.38	6.12	NA	7.63
2006	HI	Full-Service Providers	23.35	21.42	17.96	0.00	NA	20.72
2006	IA	Full-Service Providers	9.63	7.29	4.92	7.05	NA	7.01
2006	ID	Full-Service Providers	6.21	5.16	3.61	0.00	NA	4.92
2006	IL	Full-Service Providers	8.42	8.59	4.46	5.59	NA	7.38
2006	IN	Full-Service Providers	8.22	7.21	4.95	9.66	NA	6.46
2006	KS	Full-Service Providers	8.25	6.96	5.20	0.00	NA	6.89
2006	KY	Full-Service Providers	7.02	6.44	4.05	0.00	NA	5.43
2006	LA	Full-Service Providers	9.14	9.03	6.87	14.10	NA	8.30
2006	MA	Full-Service Providers	16.40	16.78	12.55	11.21	NA	16.06
2006	MD	Full-Service Providers	9.69	11.25	8.85	0.00	NA	10.18
2006	ME	Full-Service Providers	13.36	13.27	5.94	0.00	NA	7.03
2006	MI	Full-Service Providers	9.77	8.42	6.13	10.06	NA	8.17
2006	MN	Full-Service Providers	8.70	7.02	5.29	7.95	NA	6.98
2006	MO	Full-Service Providers	7.44	6.08	4.58	5.75	NA	6.30
2006	MS	Full-Service Providers	9.66	9.37	5.94	0.00	NA	8.33
2006	MT	Full-Service Providers	8.28	7.45	6.08	0.00	NA	7.57
2006	NC	Full-Service Providers	9.12	7.17	5.23	3.23	NA	7.53
2006	ND	Full-Service Providers	7.14	6.30	5.00	0.00	NA	6.21
2006	NE	Full-Service Providers	7.41	6.19	4.56	0.00	NA	6.07
2006	NH	Full-Service Providers	14.68	14.37	11.28	0.00	NA	13.96
2006	NJ	Full-Service Providers	12.84	11.65	9.54	10.18	NA	12.03
2006	NM	Full-Service Providers	9.06	7.61	5.57	0.00	NA	7.37
2006	NV	Full-Service Providers	11.08	10.12	8.19	9.89	NA	9.75
2006	NY	Full-Service Providers	16.91	16.30	9.62	14.48	NA	16.08
2006	OH	Full-Service Providers	9.31	8.32	5.56	10.13	NA	7.68
2006	OK	Full-Service Providers	8.55	7.34	5.46	0.00	NA	7.30
2006	OR	Full-Service Providers	7.48	6.73	4.70	6.40	NA	6.50
2006	PA	Full-Service Providers	10.31	8.94	6.67	7.47	NA	8.70
2006	RI	Full-Service Providers	15.12	13.76	12.75	0.00	NA	14.24
2006	SC	Full-Service Providers	9.03	7.60	4.71	0.00	NA	6.98
2006	SD	Full-Service Providers	7.83	6.47	4.84	0.00	NA	6.70
2006	TN	Full-Service Providers	7.75	8.00	5.17	11.18	NA	6.97
2006	TX	Full-Service Providers	12.86	9.85	7.82	8.42	NA	10.34
2006	UT	Full-Service Providers	7.59	6.15	4.21	7.19	NA	5.99

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2006	VA	Full-Service Providers	8.49	6.21	4.69	6.81	NA	6.86
2006	VT	Full-Service Providers	13.39	11.67	8.33	0.00	NA	11.37
2006	WA	Full-Service Providers	6.82	6.64	4.26	5.93	NA	6.14
2006	WI	Full-Service Providers	10.51	8.37	5.85	0.00	NA	8.13
2006	WV	Full-Service Providers	6.35	5.59	3.71	5.86	NA	5.04
2006	WY	Full-Service Providers	7.75	6.28	4.04	0.00	NA	5.27
2006	US	Full-Service Providers	10.36	9.18	6.00	8.44	NA	8.77
2006	CA	Restructured Retail Service Providers	18.35	12.58	10.70	4.37	NA	11.68
2006	CT	Restructured Retail Service Providers	16.99	14.08	11.83	0.00	NA	14.43
2006	DC	Restructured Retail Service Providers	10.57	10.11	8.29	10.03	NA	9.93
2006	DE	Restructured Retail Service Providers	13.22	9.80	7.90	0.00	NA	8.73
2006	IL	Restructured Retail Service Providers	0.00	6.15	5.23	0.00	NA	5.69
2006	MA	Restructured Retail Service Providers	19.25	14.45	13.42	10.59	NA	14.43
2006	MD	Restructured Retail Service Providers	11.00	9.96	7.94	8.43	NA	9.50
2006	ME	Restructured Retail Service Providers	13.81	12.42	9.49	0.00	NA	12.15
2006	MI	Restructured Retail Service Providers	10.11	9.64	5.12	0.00	NA	7.46
2006	MT	Restructured Retail Service Providers	0.00	5.38	4.55	0.00	NA	4.55
2006	NH	Restructured Retail Service Providers	0.00	12.39	13.30	0.00	NA	12.69
2006	NJ	Restructured Retail Service Providers	15.66	11.51	11.03	9.68	NA	11.27
2006	NV	Restructured Retail Service Providers	0.00	0.00	6.38	0.00	NA	6.38
2006	NY	Restructured Retail Service Providers	16.65	14.83	9.20	11.64	NA	13.99
2006	OH	Restructured Retail Service Providers	10.11	9.40	6.02	0.00	NA	8.09
2006	OR	Restructured Retail Service Providers	0.00	7.71	8.17	0.00	NA	7.95
2006	PA	Restructured Retail Service Providers	12.59	8.98	6.23	6.61	NA	8.23
2006	RI	Restructured Retail Service Providers	13.88	12.43	11.92	0.00	NA	12.26
2006	VA	Restructured Retail Service Providers	12.12	10.44	0.00	0.00	NA	11.10
2006	WA	Restructured Retail Service Providers	0.00	5.07	6.20	0.00	NA	6.16
2006	US	Restructured Retail Service Providers	14.43	11.99	8.21	10.32	NA	10.87
2006	CA	Energy-Only Providers	10.57	7.66	7.17	3.82	NA	7.41
2006	CT	Energy-Only Providers	10.71	8.95	8.70	0.00	NA	9.39
2006	DC	Energy-Only Providers	8.23	7.22	7.34	7.58	NA	7.26
2006	DE	Energy-Only Providers	10.64	8.45	7.59	0.00	NA	7.97
2006	IL	Energy-Only Providers	0.00	4.60	4.35	0.00	NA	4.47
2006	MA	Energy-Only Providers	11.67	9.76	9.85	9.81	NA	9.91
2006	MD	Energy-Only Providers	8.55	8.12	6.99	7.18	NA	7.86
2006	ME	Energy-Only Providers	6.82	7.71	7.50	0.00	NA	7.32
2006	MI	Energy-Only Providers	5.42	7.00	4.07	0.00	NA	5.58
2006	MT	Energy-Only Providers	0.00	3.31	4.02	0.00	NA	4.02
2006	NH	Energy-Only Providers	0.00	8.66	9.73	0.00	NA	9.02
2006	NJ	Energy-Only Providers	8.20	7.77	7.55	7.24	NA	7.67
2006	NV	Energy-Only Providers	0.00	0.00	6.15	0.00	NA	6.15
2006	NY	Energy-Only Providers	10.29	10.37	6.81	9.09	NA	9.79
2006	OH	Energy-Only Providers	5.04	4.87	3.91	0.00	NA	4.49
2006	OR	Energy-Only Providers	0.00	6.88	7.61	0.00	NA	7.26
2006	PA	Energy-Only Providers	8.27	7.20	5.68	5.40	NA	6.70
2006	RI	Energy-Only Providers	8.21	8.15	8.36	0.00	NA	8.22
2006	VA	Energy-Only Providers	9.60	9.81	0.00	0.00	NA	9.73
2006	WA	Energy-Only Providers	0.00	4.14	5.66	0.00	NA	5.62
2006	US	Energy-Only Providers	8.23	8.36	6.25	8.24	NA	7.66
2006	CA	Delivery-Only Service	7.79	4.92	3.54	0.55	NA	4.27
2006	CT	Delivery-Only Service	6.28	5.14	3.14	0.00	NA	5.04
2006	DC	Delivery-Only Service	2.35	2.89	0.95	2.45	NA	2.67
2006	DE	Delivery-Only Service	2.58	1.35	0.31	0.00	NA	0.77
2006	IL	Delivery-Only Service	0.00	1.54	0.88	0.00	NA	1.21
2006	MA	Delivery-Only Service	7.58	4.69	3.57	0.78	NA	4.52
2006	MD	Delivery-Only Service	2.45	1.84	0.95	1.25	NA	1.64
2006	ME	Delivery-Only Service	6.99	4.71	1.99	0.00	NA	4.82
2006	MI	Delivery-Only Service	4.69	2.65	1.05	0.00	NA	1.87
2006	MT	Delivery-Only Service	0.00	2.07	0.53	0.00	NA	0.53
2006	NH	Delivery-Only Service	0.00	3.73	3.56	0.00	NA	3.67
2006	NJ	Delivery-Only Service	7.47	3.74	3.49	2.44	NA	3.61
2006	NV	Delivery-Only Service	0.00	0.00	0.22	0.00	NA	0.22
2006	NY	Delivery-Only Service	6.37	4.47	2.38	2.55	NA	4.20
2006	OH	Delivery-Only Service	5.07	4.53	2.11	0.00	NA	3.60
2006	OR	Delivery-Only Service	0.00	0.82	0.56	0.00	NA	0.69
2006	PA	Delivery-Only Service	4.32	1.78	0.55	1.21	NA	1.54
2006	RI	Delivery-Only Service	5.67	4.28	3.57	0.00	NA	4.04
2006	VA	Delivery-Only Service	2.52	0.64	0.00	0.00	NA	1.37
2006	WA	Delivery-Only Service	0.00	0.93	0.54	0.00	NA	0.55
2006	US	Delivery-Only Service	6.19	3.63	1.96	2.08	NA	3.21
2005	AK	Total Electric Industry	13.30	11.56	9.29	0.00	NA	11.72
2005	AL	Total Electric Industry	8.00	7.50	4.52	0.00	NA	6.46
2005	AR	Total Electric Industry	8.00	6.18	4.74	0.00	NA	6.30
2005	AZ	Total Electric Industry	8.86	7.40	5.85	0.00	NA	7.79
2005	CA	Total Electric Industry	12.51	11.92	9.55	6.55	NA	11.63
2005	CO	Total Electric Industry	9.06	7.62	5.74	5.01	NA	7.64

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2005	CT	Total Electric Industry	13.64	11.53	9.40	8.78	NA	12.06
2005	DC	Total Electric Industry	9.10	9.13	14.13	7.37	NA	9.18
2005	DE	Total Electric Industry	9.01	7.60	6.21	0.00	NA	7.76
2005	FL	Total Electric Industry	9.62	8.16	6.46	8.03	NA	8.76
2005	GA	Total Electric Industry	8.64	7.67	5.28	5.90	NA	7.43
2005	HI	Total Electric Industry	20.70	19.04	15.79	0.00	NA	18.33
2005	IA	Total Electric Industry	9.27	6.95	4.56	0.00	NA	6.69
2005	ID	Total Electric Industry	6.29	5.42	3.91	0.00	NA	5.12
2005	IL	Total Electric Industry	8.34	7.75	4.61	5.61	NA	6.95
2005	IN	Total Electric Industry	7.50	6.57	4.42	9.14	NA	5.88
2005	KS	Total Electric Industry	7.90	6.60	4.85	0.00	NA	6.55
2005	KY	Total Electric Industry	6.57	6.01	3.60	0.00	NA	5.01
2005	LA	Total Electric Industry	8.87	8.56	6.71	7.63	NA	8.03
2005	MA	Total Electric Industry	13.44	12.42	9.22	4.80	NA	12.18
2005	MD	Total Electric Industry	8.46	8.97	7.01	7.73	NA	8.13
2005	ME	Total Electric Industry	13.23	10.63	7.28	0.00	NA	10.57
2005	MI	Total Electric Industry	8.40	7.84	5.32	13.07	NA	7.23
2005	MN	Total Electric Industry	8.28	6.59	5.02	6.21	NA	6.61
2005	MO	Total Electric Industry	7.08	5.92	4.54	4.77	NA	6.13
2005	MS	Total Electric Industry	8.71	8.48	5.37	0.00	NA	7.54
2005	MT	Total Electric Industry	8.10	7.43	4.83	0.00	NA	6.72
2005	NC	Total Electric Industry	8.65	6.86	5.04	8.33	NA	7.19
2005	ND	Total Electric Industry	6.99	6.11	4.32	0.00	NA	5.92
2005	NE	Total Electric Industry	7.14	5.98	4.43	0.00	NA	5.87
2005	NH	Total Electric Industry	13.51	12.06	11.48	0.00	NA	12.53
2005	NJ	Total Electric Industry	11.74	10.61	9.76	7.65	NA	10.89
2005	NM	Total Electric Industry	9.13	7.81	5.61	0.00	NA	7.51
2005	NV	Total Electric Industry	10.20	9.48	7.71	9.34	NA	9.02
2005	NY	Total Electric Industry	15.72	14.36	8.23	11.39	NA	13.95
2005	OH	Total Electric Industry	8.51	7.93	5.10	9.03	NA	7.08
2005	OK	Total Electric Industry	7.95	7.00	5.11	0.00	NA	6.85
2005	OR	Total Electric Industry	7.25	6.51	4.83	6.36	NA	6.34
2005	PA	Total Electric Industry	9.86	8.50	6.29	7.22	NA	8.27
2005	RI	Total Electric Industry	13.04	11.71	10.01	0.00	NA	11.97
2005	SC	Total Electric Industry	8.67	7.39	4.55	0.00	NA	6.72
2005	SD	Total Electric Industry	7.77	6.20	4.95	0.00	NA	6.60
2005	TN	Total Electric Industry	6.98	7.17	4.73	11.46	NA	6.31
2005	TX	Total Electric Industry	10.93	8.85	7.14	8.45	NA	9.14
2005	UT	Total Electric Industry	7.52	6.07	4.24	7.20	NA	5.92
2005	VA	Total Electric Industry	8.16	6.05	4.46	6.81	NA	6.64
2005	VT	Total Electric Industry	12.96	11.33	7.77	0.00	NA	10.95
2005	WA	Total Electric Industry	6.54	6.33	4.27	6.44	NA	5.87
2005	WI	Total Electric Industry	9.66	7.67	5.39	0.00	NA	7.48
2005	WV	Total Electric Industry	6.21	5.53	3.85	6.08	NA	5.15
2005	WY	Total Electric Industry	7.48	6.17	3.99	0.00	NA	5.16
2005	US	Total Electric Industry	9.45	8.67	5.73	8.57	NA	8.14
2005	AK	Full-Service Providers	13.30	11.56	9.29	0.00	NA	11.72
2005	AL	Full-Service Providers	8.00	7.50	4.52	0.00	NA	6.46
2005	AR	Full-Service Providers	8.00	6.18	4.74	0.00	NA	6.30
2005	AZ	Full-Service Providers	8.86	7.40	5.85	0.00	NA	7.79
2005	CA	Full-Service Providers	12.49	11.97	9.39	8.11	NA	11.71
2005	CO	Full-Service Providers	9.06	7.62	5.74	5.01	NA	7.64
2005	CT	Full-Service Providers	13.64	11.52	9.42	8.78	NA	12.06
2005	DC	Full-Service Providers	9.09	9.21	1.15	2.54	NA	9.51
2005	DE	Full-Service Providers	9.01	7.60	6.46	0.00	NA	7.94
2005	FL	Full-Service Providers	9.62	8.16	6.46	8.03	NA	8.76
2005	GA	Full-Service Providers	8.64	7.67	5.28	5.90	NA	7.43
2005	HI	Full-Service Providers	20.70	19.04	15.79	0.00	NA	18.33
2005	IA	Full-Service Providers	9.27	6.95	4.56	0.00	NA	6.69
2005	ID	Full-Service Providers	6.29	5.42	3.91	0.00	NA	5.12
2005	IL	Full-Service Providers	8.34	8.41	4.60	5.61	NA	7.37
2005	IN	Full-Service Providers	7.50	6.57	4.42	9.14	NA	5.88
2005	KS	Full-Service Providers	7.90	6.60	4.85	0.00	NA	6.55
2005	KY	Full-Service Providers	6.57	6.01	3.60	0.00	NA	5.01
2005	LA	Full-Service Providers	8.87	8.56	6.71	7.63	NA	8.03
2005	MA	Full-Service Providers	13.25	13.10	9.00	4.05	NA	12.44
2005	MD	Full-Service Providers	8.44	9.19	6.72	0.00	NA	8.31
2005	ME	Full-Service Providers	9.20	8.33	4.80	0.00	NA	6.19
2005	MI	Full-Service Providers	8.40	7.87	5.33	13.07	NA	7.30
2005	MN	Full-Service Providers	8.28	6.59	5.02	6.21	NA	6.61
2005	MO	Full-Service Providers	7.08	5.92	4.54	4.77	NA	6.13
2005	MS	Full-Service Providers	8.71	8.48	5.37	0.00	NA	7.54
2005	MT	Full-Service Providers	8.10	7.43	5.44	0.00	NA	7.33
2005	NC	Full-Service Providers	8.65	6.86	5.04	8.33	NA	7.19
2005	ND	Full-Service Providers	6.99	6.11	4.32	0.00	NA	5.92
2005	NE	Full-Service Providers	7.14	5.98	4.43	0.00	NA	5.87

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2005	NH	Full-Service Providers	13.51	12.06	11.61	0.00	NA	12.56
2005	NJ	Full-Service Providers	11.74	10.54	8.81	3.31	NA	10.95
2005	NM	Full-Service Providers	9.13	7.81	5.61	0.00	NA	7.51
2005	NV	Full-Service Providers	10.20	9.48	7.72	9.34	NA	9.03
2005	NY	Full-Service Providers	15.86	15.38	9.80	13.47	NA	15.18
2005	OH	Full-Service Providers	8.19	7.54	4.94	9.03	NA	6.78
2005	OK	Full-Service Providers	7.95	7.00	5.11	0.00	NA	6.85
2005	OR	Full-Service Providers	7.25	6.49	4.63	6.36	NA	6.32
2005	PA	Full-Service Providers	9.81	8.50	6.31	7.22	NA	8.29
2005	RI	Full-Service Providers	13.04	11.88	10.00	0.00	NA	12.12
2005	SC	Full-Service Providers	8.67	7.39	4.55	0.00	NA	6.72
2005	SD	Full-Service Providers	7.77	6.20	4.95	0.00	NA	6.60
2005	TN	Full-Service Providers	6.98	7.17	4.73	11.46	NA	6.31
2005	TX	Full-Service Providers	10.93	8.85	7.14	8.45	NA	9.14
2005	UT	Full-Service Providers	7.52	6.07	4.24	7.20	NA	5.92
2005	VA	Full-Service Providers	8.16	6.05	4.46	6.81	NA	6.64
2005	VT	Full-Service Providers	12.96	11.33	7.77	0.00	NA	10.95
2005	WA	Full-Service Providers	6.54	6.33	4.13	6.44	NA	5.87
2005	WI	Full-Service Providers	9.66	7.67	5.39	0.00	NA	7.48
2005	WV	Full-Service Providers	6.21	5.53	3.85	6.08	NA	5.15
2005	WY	Full-Service Providers	7.48	6.17	3.99	0.00	NA	5.16
2005	US	Full-Service Providers	9.40	8.46	5.61	7.45	NA	8.05
2005	CA	Restructured Retail Service Providers	16.93	11.45	10.15	4.45	NA	10.82
2005	CT	Restructured Retail Service Providers	13.65	11.59	8.17	0.00	NA	12.24
2005	DC	Restructured Retail Service Providers	9.50	9.08	8.00	7.82	NA	8.96
2005	DE	Restructured Retail Service Providers	0.00	7.51	5.59	0.00	NA	5.59
2005	IL	Restructured Retail Service Providers	0.00	5.87	4.63	0.00	NA	5.20
2005	MA	Restructured Retail Service Providers	15.49	11.48	9.77	5.15	NA	11.52
2005	MD	Restructured Retail Service Providers	9.43	8.50	7.23	7.73	NA	7.68
2005	ME	Restructured Retail Service Providers	13.31	10.65	7.45	0.00	NA	10.71
2005	MI	Restructured Retail Service Providers	9.66	7.71	5.26	0.00	NA	6.69
2005	MT	Restructured Retail Service Providers	0.00	5.33	4.42	0.00	NA	4.42
2005	NH	Restructured Retail Service Providers	0.00	11.85	8.79	0.00	NA	9.30
2005	NJ	Restructured Retail Service Providers	12.19	10.84	10.43	10.04	NA	10.66
2005	NV	Restructured Retail Service Providers	0.00	0.00	7.19	0.00	NA	7.19
2005	NY	Restructured Retail Service Providers	13.63	13.34	7.33	11.15	NA	11.91
2005	OH	Restructured Retail Service Providers	10.43	9.32	6.02	0.00	NA	8.55
2005	OR	Restructured Retail Service Providers	0.00	6.95	6.92	0.00	NA	6.93
2005	PA	Restructured Retail Service Providers	11.85	8.50	6.08	7.26	NA	8.03
2005	RI	Restructured Retail Service Providers	0.00	10.99	10.04	0.00	NA	10.78
2005	VA	Restructured Retail Service Providers	10.03	11.56	0.00	0.00	NA	10.04
2005	WA	Restructured Retail Service Providers	0.00	4.92	5.64	0.00	NA	5.62
2005	US	Restructured Retail Service Providers	12.26	10.60	7.08	9.47	NA	9.39
2005	CA	Energy-Only Providers	9.52	6.83	6.68	3.95	NA	6.75
2005	CT	Energy-Only Providers	7.44	6.57	5.46	0.00	NA	6.87
2005	DC	Energy-Only Providers	7.02	6.13	6.87	5.28	NA	6.16
2005	DE	Energy-Only Providers	0.00	5.53	5.40	0.00	NA	5.40
2005	IL	Energy-Only Providers	0.00	4.21	3.74	0.00	NA	3.95
2005	MA	Energy-Only Providers	7.54	6.90	6.36	4.41	NA	6.84
2005	MD	Energy-Only Providers	6.26	6.39	6.07	6.54	NA	6.18
2005	ME	Energy-Only Providers	6.46	6.07	5.55	0.00	NA	6.06
2005	MI	Energy-Only Providers	6.44	5.78	4.37	0.00	NA	5.19
2005	MT	Energy-Only Providers	0.00	3.31	3.94	0.00	NA	3.94
2005	NH	Energy-Only Providers	0.00	9.56	6.08	0.00	NA	6.66
2005	NJ	Energy-Only Providers	7.93	7.14	6.98	7.06	NA	7.07
2005	NV	Energy-Only Providers	0.00	0.00	6.68	0.00	NA	6.68
2005	NY	Energy-Only Providers	9.12	9.73	5.83	8.66	NA	8.78
2005	OH	Energy-Only Providers	5.07	4.69	3.53	4.42	NA	4.42
2005	OR	Energy-Only Providers	0.00	5.64	6.16	0.00	NA	6.02
2005	PA	Energy-Only Providers	7.02	6.41	5.20	6.05	NA	6.04
2005	RI	Energy-Only Providers	0.00	6.44	6.28	0.00	NA	6.41
2005	VA	Energy-Only Providers	7.55	7.48	0.00	0.00	NA	7.55
2005	WA	Energy-Only Providers	0.00	4.03	5.21	0.00	NA	5.17
2005	US	Energy-Only Providers	6.54	7.15	5.31	7.40	NA	6.41
2005	CA	Delivery-Only Service	7.42	4.62	3.48	0.50	NA	4.07
2005	CT	Delivery-Only Service	6.22	5.02	2.71	0.00	NA	5.37
2005	DC	Delivery-Only Service	2.48	2.95	1.12	2.54	NA	2.80
2005	DE	Delivery-Only Service	0.00	1.98	0.19	0.00	NA	0.19
2005	IL	Delivery-Only Service	0.00	1.66	0.89	0.00	NA	1.25
2005	MA	Delivery-Only Service	7.94	4.58	3.41	0.74	NA	4.68
2005	MD	Delivery-Only Service	3.17	2.12	1.16	1.19	NA	1.50
2005	ME	Delivery-Only Service	6.85	4.58	1.90	0.00	NA	4.64
2005	MI	Delivery-Only Service	3.22	1.93	0.89	0.00	NA	1.49
2005	MT	Delivery-Only Service	0.00	2.02	0.48	0.00	NA	0.48
2005	NH	Delivery-Only Service	0.00	2.29	2.71	0.00	NA	2.64
2005	NJ	Delivery-Only Service	4.26	3.71	3.45	2.98	NA	3.59

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2005	NV	Delivery-Only Service	0.00	0.00	0.51	0.00	NA	0.51
2005	NY	Delivery-Only Service	4.51	3.60	1.49	2.49	NA	3.13
2005	OH	Delivery-Only Service	5.36	4.63	2.49	0.00	NA	4.13
2005	OR	Delivery-Only Service	0.00	1.31	0.76	0.00	NA	0.90
2005	PA	Delivery-Only Service	4.82	2.10	0.88	1.21	NA	1.99
2005	RI	Delivery-Only Service	0.00	4.55	3.75	0.00	NA	4.37
2005	VA	Delivery-Only Service	2.48	4.08	0.00	0.00	NA	2.49
2005	WA	Delivery-Only Service	0.00	0.89	0.43	0.00	NA	0.44
2005	US	Delivery-Only Service	5.72	3.45	1.77	2.07	NA	2.98
2004	AK	Total Electric Industry	12.44	10.99	8.33	0.00	NA	10.99
2004	AL	Total Electric Industry	7.62	7.12	4.15	0.00	NA	6.08
2004	AR	Total Electric Industry	7.36	5.64	4.16	0.00	NA	5.67
2004	AZ	Total Electric Industry	8.46	7.28	5.35	0.00	NA	7.45
2004	CA	Total Electric Industry	12.20	11.64	9.27	6.42	NA	11.35
2004	CO	Total Electric Industry	8.42	6.89	5.11	5.81	NA	6.95
2004	CT	Total Electric Industry	11.63	9.90	7.89	7.25	NA	10.26
2004	DC	Total Electric Industry	8.00	7.45	4.74	7.37	NA	7.47
2004	DE	Total Electric Industry	8.78	7.44	6.06	0.00	NA	7.53
2004	FL	Total Electric Industry	8.99	7.61	5.84	7.45	NA	8.16
2004	GA	Total Electric Industry	7.86	6.88	4.43	5.12	NA	6.58
2004	HI	Total Electric Industry	18.06	16.19	13.35	0.00	NA	15.70
2004	IA	Total Electric Industry	8.96	6.75	4.33	0.00	NA	6.40
2004	ID	Total Electric Industry	6.10	5.37	3.82	0.00	NA	4.97
2004	IL	Total Electric Industry	8.37	7.54	4.65	5.70	NA	6.80
2004	IN	Total Electric Industry	7.30	6.31	4.13	8.76	NA	5.58
2004	KS	Total Electric Industry	7.74	6.45	4.69	0.00	NA	6.37
2004	KY	Total Electric Industry	6.11	5.60	3.34	0.00	NA	4.63
2004	LA	Total Electric Industry	8.05	7.58	5.82	7.09	NA	7.13
2004	MA	Total Electric Industry	11.75	10.99	8.48	4.65	NA	10.77
2004	MD	Total Electric Industry	7.80	7.56	5.99	6.46	NA	7.15
2004	ME	Total Electric Industry	12.16	9.89	6.56	0.00	NA	9.69
2004	MI	Total Electric Industry	8.33	7.57	4.92	7.89	NA	6.94
2004	MN	Total Electric Industry	7.92	6.31	4.63	6.75	NA	6.24
2004	MO	Total Electric Industry	6.97	5.80	4.62	4.91	NA	6.07
2004	MS	Total Electric Industry	8.21	7.99	4.83	0.00	NA	7.00
2004	MT	Total Electric Industry	7.86	7.42	4.15	0.00	NA	6.40
2004	NC	Total Electric Industry	8.45	6.70	4.88	0.00	NA	6.97
2004	ND	Total Electric Industry	6.79	5.86	4.13	0.00	NA	5.69
2004	NE	Total Electric Industry	6.96	5.84	4.28	0.00	NA	5.70
2004	NH	Total Electric Industry	12.49	10.99	10.01	0.00	NA	11.37
2004	NJ	Total Electric Industry	11.23	9.96	9.03	10.94	NA	10.29
2004	NM	Total Electric Industry	8.67	7.39	5.22	0.00	NA	7.10
2004	NV	Total Electric Industry	9.69	9.08	7.24	0.00	NA	8.56
2004	NY	Total Electric Industry	14.54	12.98	7.04	7.92	NA	12.55
2004	OH	Total Electric Industry	8.45	7.75	4.89	9.21	NA	6.89
2004	OK	Total Electric Industry	7.72	6.55	4.76	0.00	NA	6.50
2004	OR	Total Electric Industry	7.18	6.45	4.43	6.50	NA	6.21
2004	PA	Total Electric Industry	9.58	8.51	5.87	7.32	NA	8.00
2004	RI	Total Electric Industry	12.19	10.53	9.37	0.00	NA	10.96
2004	SC	Total Electric Industry	8.12	6.91	4.13	0.00	NA	6.22
2004	SD	Total Electric Industry	7.65	6.18	4.59	0.00	NA	6.44
2004	TN	Total Electric Industry	6.90	7.05	4.46	11.75	NA	6.14
2004	TX	Total Electric Industry	9.73	7.90	5.87	7.02	NA	7.95
2004	UT	Total Electric Industry	7.21	5.90	4.01	6.57	NA	5.69
2004	VA	Total Electric Industry	7.99	5.88	4.27	6.25	NA	6.43
2004	VT	Total Electric Industry	12.94	11.42	7.96	0.00	NA	11.02
2004	WA	Total Electric Industry	6.37	6.17	4.28	6.44	NA	5.80
2004	WI	Total Electric Industry	9.07	7.24	4.93	0.00	NA	6.88
2004	WV	Total Electric Industry	6.23	5.46	3.83	5.70	NA	5.13
2004	WY	Total Electric Industry	7.21	5.98	3.91	0.00	NA	4.98
2004	US	Total Electric Industry	8.95	8.17	5.25	7.18	NA	7.61
2004	AK	Full-Service Providers	12.44	10.99	8.33	0.00	NA	10.99
2004	AL	Full-Service Providers	7.62	7.12	4.15	0.00	NA	6.08
2004	AR	Full-Service Providers	7.36	5.64	4.16	0.00	NA	5.67
2004	AZ	Full-Service Providers	8.46	7.28	5.35	0.00	NA	7.45
2004	CA	Full-Service Providers	12.20	11.81	9.33	8.03	NA	11.53
2004	CO	Full-Service Providers	8.42	6.89	5.11	5.81	NA	6.95
2004	CT	Full-Service Providers	11.63	9.90	7.90	7.25	NA	10.27
2004	DC	Full-Service Providers	7.97	7.40	4.63	0.00	NA	7.46
2004	DE	Full-Service Providers	8.78	7.44	5.82	0.00	NA	7.61
2004	FL	Full-Service Providers	8.99	7.61	5.84	7.45	NA	8.16
2004	GA	Full-Service Providers	7.86	6.88	4.43	5.12	NA	6.58
2004	HI	Full-Service Providers	18.06	16.19	13.35	0.00	NA	15.70
2004	IA	Full-Service Providers	8.96	6.75	4.33	0.00	NA	6.40
2004	ID	Full-Service Providers	6.10	5.37	3.84	0.00	NA	4.98
2004	IL	Full-Service Providers	8.37	8.03	4.57	5.70	NA	7.16

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2004	IN	Full-Service Providers	7.30	6.31	4.13	8.76	NA	5.58
2004	KS	Full-Service Providers	7.74	6.45	4.69	0.00	NA	6.37
2004	KY	Full-Service Providers	6.11	5.60	3.34	0.00	NA	4.63
2004	LA	Full-Service Providers	8.05	7.58	5.82	7.09	NA	7.13
2004	MA	Full-Service Providers	11.72	11.57	8.47	3.86	NA	11.10
2004	MD	Full-Service Providers	7.78	7.62	5.60	7.42	NA	7.23
2004	ME	Full-Service Providers	8.41	5.79	4.85	0.00	NA	5.84
2004	MI	Full-Service Providers	8.33	7.66	4.86	7.89	NA	7.03
2004	MN	Full-Service Providers	7.92	6.31	4.63	6.75	NA	6.24
2004	MO	Full-Service Providers	6.97	5.80	4.62	4.91	NA	6.07
2004	MS	Full-Service Providers	8.21	7.99	4.83	0.00	NA	7.00
2004	MT	Full-Service Providers	7.86	7.57	4.54	0.00	NA	7.04
2004	NC	Full-Service Providers	8.45	6.70	4.88	0.00	NA	6.97
2004	ND	Full-Service Providers	6.79	5.86	4.13	0.00	NA	5.69
2004	NE	Full-Service Providers	6.96	5.84	4.28	0.00	NA	5.70
2004	NH	Full-Service Providers	12.49	11.02	10.10	0.00	NA	11.41
2004	NJ	Full-Service Providers	11.25	10.20	9.00	25.28	NA	10.62
2004	NM	Full-Service Providers	8.67	7.39	5.22	0.00	NA	7.10
2004	NV	Full-Service Providers	9.69	9.08	7.24	0.00	NA	8.56
2004	NY	Full-Service Providers	14.60	13.49	8.28	11.75	NA	13.54
2004	OH	Full-Service Providers	8.14	7.34	4.72	9.21	NA	6.60
2004	OK	Full-Service Providers	7.72	6.55	4.76	0.00	NA	6.50
2004	OR	Full-Service Providers	7.18	6.49	4.41	6.50	NA	6.22
2004	PA	Full-Service Providers	9.38	8.56	5.88	7.26	NA	7.91
2004	RI	Full-Service Providers	12.19	10.69	9.80	0.00	NA	11.21
2004	SC	Full-Service Providers	8.12	6.91	4.13	0.00	NA	6.22
2004	SD	Full-Service Providers	7.65	6.18	4.59	0.00	NA	6.44
2004	TN	Full-Service Providers	6.90	7.05	4.46	11.75	NA	6.14
2004	TX	Full-Service Providers	9.73	7.90	5.87	7.02	NA	7.95
2004	UT	Full-Service Providers	7.21	5.90	4.01	6.57	NA	5.69
2004	VA	Full-Service Providers	7.99	5.88	4.27	6.25	NA	6.43
2004	VT	Full-Service Providers	12.94	11.42	7.96	0.00	NA	11.02
2004	WA	Full-Service Providers	6.37	6.17	4.28	6.44	NA	5.80
2004	WI	Full-Service Providers	9.07	7.24	4.93	0.00	NA	6.88
2004	WV	Full-Service Providers	6.23	5.46	3.83	5.70	NA	5.13
2004	WY	Full-Service Providers	7.21	5.98	3.91	0.00	NA	4.98
2004	US	Full-Service Providers	8.91	8.02	5.14	7.47	NA	7.55
2004	CA	Restructured Retail Service Providers	12.55	10.21	9.08	4.09	NA	9.62
2004	CT	Restructured Retail Service Providers	11.56	9.69	7.45	0.00	NA	9.89
2004	DC	Restructured Retail Service Providers	8.28	7.55	4.87	7.37	NA	7.48
2004	DE	Restructured Retail Service Providers	0.00	7.14	6.62	0.00	NA	6.62
2004	ID	Restructured Retail Service Providers	0.00	0.00	0.01	0.00	NA	0.01
2004	IL	Restructured Retail Service Providers	0.00	5.96	4.81	0.00	NA	5.29
2004	MA	Restructured Retail Service Providers	13.12	9.91	8.52	5.03	NA	9.61
2004	MD	Restructured Retail Service Providers	8.75	7.32	6.55	6.41	NA	6.87
2004	ME	Restructured Retail Service Providers	12.23	10.21	6.66	0.00	NA	9.88
2004	MI	Restructured Retail Service Providers	9.62	7.22	5.22	0.00	NA	6.35
2004	MT	Restructured Retail Service Providers	0.00	6.05	3.81	0.00	NA	4.15
2004	NH	Restructured Retail Service Providers	0.00	8.41	7.33	0.00	NA	7.70
2004	NJ	Restructured Retail Service Providers	10.31	9.33	9.05	9.11	NA	9.24
2004	NV	Restructured Retail Service Providers	0.00	0.00	2.34	0.00	NA	2.34
2004	NY	Restructured Retail Service Providers	13.44	12.30	6.15	7.42	NA	10.60
2004	OH	Restructured Retail Service Providers	10.29	9.06	5.72	0.00	NA	8.20
2004	OR	Restructured Retail Service Providers	0.00	5.53	5.28	0.00	NA	5.48
2004	PA	Restructured Retail Service Providers	12.61	8.27	5.81	9.05	NA	8.97
2004	RI	Restructured Retail Service Providers	10.15	9.46	8.20	0.00	NA	8.93
2004	VA	Restructured Retail Service Providers	10.76	15.11	0.00	0.00	NA	10.78
2004	WA	Restructured Retail Service Providers	0.00	1,600.00	4.64	0.00	NA	4.64
2004	US	Restructured Retail Service Providers	11.51	9.61	6.50	6.95	NA	8.55
2004	CA	Energy-Only Providers	6.88	5.90	5.95	3.59	NA	5.90
2004	CT	Energy-Only Providers	6.22	5.24	4.63	0.00	NA	5.46
2004	DC	Energy-Only Providers	5.67	4.54	3.64	4.80	NA	4.59
2004	DE	Energy-Only Providers	0.00	5.10	6.43	0.00	NA	6.43
2004	IL	Energy-Only Providers	0.00	4.15	3.70	0.00	NA	3.89
2004	MA	Energy-Only Providers	5.88	5.63	5.27	4.35	NA	5.53
2004	MD	Energy-Only Providers	5.59	4.93	5.45	5.26	NA	5.31
2004	ME	Energy-Only Providers	5.01	5.43	4.83	0.00	NA	5.10
2004	MI	Energy-Only Providers	6.49	5.42	4.24	0.00	NA	4.91
2004	MT	Energy-Only Providers	0.00	4.16	3.35	0.00	NA	3.47
2004	NH	Energy-Only Providers	0.00	6.17	5.00	0.00	NA	5.40
2004	NJ	Energy-Only Providers	5.79	5.58	5.54	6.84	NA	5.59
2004	NY	Energy-Only Providers	7.32	8.20	4.51	5.04	NA	7.09
2004	OH	Energy-Only Providers	4.74	4.41	3.24	0.00	NA	4.08
2004	OR	Energy-Only Providers	0.00	4.43	4.42	0.00	NA	4.43
2004	PA	Energy-Only Providers	6.18	5.58	4.65	5.88	NA	5.58
2004	RI	Energy-Only Providers	5.38	5.38	5.31	0.00	NA	5.35

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2004	VA	Energy-Only Providers	6.44	6.47	0.00	0.00	NA	6.44
2004	WA	Energy-Only Providers	0.00	1,600.00	4.27	0.00	NA	4.28
2004	US	Energy-Only Providers	5.50	6.02	4.60	4.99	NA	5.42
2004	CA	Delivery-Only Service	5.66	4.31	3.14	0.50	NA	3.72
2004	CT	Delivery-Only Service	5.34	4.45	2.82	0.00	NA	4.42
2004	DC	Delivery-Only Service	2.61	3.01	1.23	2.57	NA	2.89
2004	DE	Delivery-Only Service	0.00	2.04	0.19	0.00	NA	0.19
2004	ID	Delivery-Only Service	0.00	0.00	0.01	0.00	NA	0.01
2004	IL	Delivery-Only Service	0.00	1.81	1.11	0.00	NA	1.40
2004	MA	Delivery-Only Service	7.24	4.28	3.25	0.67	NA	4.08
2004	MD	Delivery-Only Service	3.16	2.40	1.10	1.15	NA	1.57
2004	ME	Delivery-Only Service	7.22	4.78	1.83	0.00	NA	4.78
2004	MI	Delivery-Only Service	3.13	1.80	0.98	0.00	NA	1.44
2004	MT	Delivery-Only Service	0.00	1.89	0.46	0.00	NA	0.68
2004	NH	Delivery-Only Service	0.00	2.24	2.33	0.00	NA	2.30
2004	NJ	Delivery-Only Service	4.52	3.75	3.51	2.26	NA	3.65
2004	NV	Delivery-Only Service	0.00	0.00	2.34	0.00	NA	2.34
2004	NY	Delivery-Only Service	6.12	4.10	1.64	2.38	NA	3.51
2004	OH	Delivery-Only Service	5.55	4.65	2.47	0.00	NA	4.12
2004	OR	Delivery-Only Service	0.00	1.10	0.86	0.00	NA	1.05
2004	PA	Delivery-Only Service	6.44	2.69	1.17	3.18	NA	3.38
2004	RI	Delivery-Only Service	4.77	4.08	2.89	0.00	NA	3.57
2004	VA	Delivery-Only Service	4.32	8.63	0.00	0.00	NA	4.35
2004	WA	Delivery-Only Service	0.00	0.00	0.37	0.00	NA	0.37
2004	US	Delivery-Only Service	6.00	3.59	1.90	1.96	NA	3.13
2003	AK	Total Electric Industry	11.98	10.49	7.86	0.00	NA	10.50
2003	AL	Total Electric Industry	7.39	6.85	3.98	0.00	NA	5.88
2003	AR	Total Electric Industry	7.24	5.54	4.04	0.00	NA	5.57
2003	AZ	Total Electric Industry	8.35	7.09	5.37	0.00	NA	7.34
2003	CA	Total Electric Industry	12.23	12.48	9.59	5.80	NA	11.78
2003	CO	Total Electric Industry	8.14	6.60	5.10	7.32	NA	6.77
2003	CT	Total Electric Industry	11.31	9.93	7.99	7.72	NA	10.16
2003	DC	Total Electric Industry	7.84	7.35	5.57	7.64	NA	7.40
2003	DE	Total Electric Industry	8.59	7.31	5.15	0.00	NA	6.96
2003	FL	Total Electric Industry	8.55	7.13	5.41	7.21	NA	7.72
2003	GA	Total Electric Industry	7.70	6.66	4.02	4.81	NA	6.32
2003	HI	Total Electric Industry	16.73	15.02	12.20	0.00	NA	14.47
2003	IA	Total Electric Industry	8.57	6.24	4.16	0.00	NA	6.11
2003	ID	Total Electric Industry	6.24	5.56	4.16	0.00	NA	5.22
2003	IL	Total Electric Industry	8.38	7.30	4.86	5.87	NA	6.86
2003	IN	Total Electric Industry	7.04	6.12	3.92	8.36	NA	5.37
2003	KS	Total Electric Industry	7.71	6.42	4.61	0.00	NA	6.35
2003	KY	Total Electric Industry	5.81	5.37	3.21	0.00	NA	4.42
2003	LA	Total Electric Industry	7.84	7.42	5.57	7.32	NA	6.93
2003	MA	Total Electric Industry	11.60	10.48	8.93	4.09	NA	10.56
2003	MD	Total Electric Industry	7.73	6.95	4.89	5.78	NA	6.45
2003	ME	Total Electric Industry	12.37	10.34	6.35	0.00	NA	9.79
2003	MI	Total Electric Industry	8.35	7.55	4.96	8.21	NA	6.85
2003	MN	Total Electric Industry	7.65	6.12	4.36	0.00	NA	6.01
2003	MO	Total Electric Industry	6.96	5.78	4.49	0.00	NA	6.02
2003	MS	Total Electric Industry	7.60	7.25	4.48	0.00	NA	6.46
2003	MT	Total Electric Industry	7.56	6.85	4.03	0.00	NA	6.14
2003	NC	Total Electric Industry	8.32	6.65	4.79	0.00	NA	6.86
2003	ND	Total Electric Industry	6.49	5.64	3.96	0.00	NA	5.47
2003	NE	Total Electric Industry	6.87	5.81	4.18	0.00	NA	5.64
2003	NH	Total Electric Industry	11.98	10.30	9.75	0.00	NA	10.83
2003	NJ	Total Electric Industry	10.67	9.11	7.99	7.15	NA	9.48
2003	NM	Total Electric Industry	8.69	7.36	4.95	0.00	NA	7.00
2003	NV	Total Electric Industry	9.02	8.79	7.30	0.00	NA	8.29
2003	NY	Total Electric Industry	14.31	12.93	7.14	9.38	NA	12.44
2003	OH	Total Electric Industry	8.26	7.55	4.79	6.17	NA	6.73
2003	OK	Total Electric Industry	7.47	6.38	4.59	0.00	NA	6.35
2003	OR	Total Electric Industry	7.06	6.38	4.63	6.68	NA	6.18
2003	PA	Total Electric Industry	9.59	8.62	5.80	7.78	NA	8.02
2003	RI	Total Electric Industry	11.61	10.09	8.88	0.00	NA	10.47
2003	SC	Total Electric Industry	8.01	6.81	4.00	0.00	NA	6.08
2003	SD	Total Electric Industry	7.47	6.04	4.51	0.00	NA	6.35
2003	TN	Total Electric Industry	6.55	6.68	4.29	0.00	NA	5.84
2003	TX	Total Electric Industry	9.16	7.84	5.27	6.62	NA	7.50
2003	UT	Total Electric Industry	6.90	5.59	3.79	6.01	NA	5.41
2003	VA	Total Electric Industry	7.76	5.74	4.23	5.46	NA	6.27
2003	VT	Total Electric Industry	12.82	11.29	8.05	0.00	NA	10.98
2003	WA	Total Electric Industry	6.31	6.07	4.76	6.45	NA	5.86
2003	WI	Total Electric Industry	8.67	6.97	4.71	0.00	NA	6.64
2003	WV	Total Electric Industry	6.24	5.45	3.81	0.00	NA	5.13
2003	WY	Total Electric Industry	7.04	5.74	3.65	0.00	NA	4.76

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2003	US	Total Electric Industry	8.72	8.03	5.11	7.54	NA	7.44
2003	AK	Full-Service Providers	11.98	10.49	7.86	0.00	NA	10.50
2003	AL	Full-Service Providers	7.39	6.85	3.98	0.00	NA	5.88
2003	AR	Full-Service Providers	7.24	5.54	4.04	0.00	NA	5.57
2003	AZ	Full-Service Providers	8.35	7.09	5.37	0.00	NA	7.34
2003	CA	Full-Service Providers	12.23	12.83	9.79	7.38	NA	12.05
2003	CO	Full-Service Providers	8.14	6.60	5.10	7.32	NA	6.77
2003	CT	Full-Service Providers	11.34	9.93	8.01	7.72	NA	10.18
2003	DC	Full-Service Providers	7.85	7.52	5.86	0.00	NA	7.58
2003	DE	Full-Service Providers	8.59	7.32	5.61	0.00	NA	7.43
2003	FL	Full-Service Providers	8.55	7.13	5.41	7.21	NA	7.72
2003	GA	Full-Service Providers	7.70	6.66	4.02	4.81	NA	6.32
2003	HI	Full-Service Providers	16.73	15.02	12.20	0.00	NA	14.47
2003	IA	Full-Service Providers	8.57	6.24	4.16	0.00	NA	6.11
2003	ID	Full-Service Providers	6.24	5.56	4.16	0.00	NA	5.22
2003	IL	Full-Service Providers	8.38	7.35	4.74	5.87	NA	7.07
2003	IN	Full-Service Providers	7.04	6.12	3.92	8.36	NA	5.37
2003	KS	Full-Service Providers	7.71	6.42	4.61	0.00	NA	6.35
2003	KY	Full-Service Providers	5.81	5.37	3.21	0.00	NA	4.42
2003	LA	Full-Service Providers	7.84	7.42	5.57	7.32	NA	6.93
2003	MA	Full-Service Providers	11.55	10.78	9.26	4.09	NA	10.82
2003	MD	Full-Service Providers	7.72	7.10	4.40	5.31	NA	6.46
2003	ME	Full-Service Providers	8.66	7.45	4.03	0.00	NA	4.70
2003	MI	Full-Service Providers	8.35	7.59	4.98	8.21	NA	7.04
2003	MN	Full-Service Providers	7.65	6.12	4.36	0.00	NA	6.01
2003	MO	Full-Service Providers	6.96	5.78	4.49	0.00	NA	6.02
2003	MS	Full-Service Providers	7.60	7.25	4.48	0.00	NA	6.46
2003	MT	Full-Service Providers	7.56	6.99	4.29	0.00	NA	6.65
2003	NC	Full-Service Providers	8.32	6.65	4.79	0.00	NA	6.86
2003	ND	Full-Service Providers	6.49	5.64	3.96	0.00	NA	5.47
2003	NE	Full-Service Providers	6.87	5.81	4.18	0.00	NA	5.64
2003	NH	Full-Service Providers	11.98	10.31	9.91	0.00	NA	10.88
2003	NJ	Full-Service Providers	10.68	9.13	7.77	7.15	NA	9.56
2003	NM	Full-Service Providers	8.69	7.36	4.95	0.00	NA	7.00
2003	NV	Full-Service Providers	9.02	8.79	7.30	0.00	NA	8.29
2003	NY	Full-Service Providers	14.28	13.17	8.79	9.96	NA	13.21
2003	OH	Full-Service Providers	7.95	7.16	4.63	6.17	NA	6.45
2003	OK	Full-Service Providers	7.47	6.38	4.59	0.00	NA	6.35
2003	OR	Full-Service Providers	7.06	6.38	4.63	6.68	NA	6.18
2003	PA	Full-Service Providers	9.50	8.70	5.81	7.64	NA	7.99
2003	RI	Full-Service Providers	11.61	10.19	9.14	0.00	NA	10.64
2003	SC	Full-Service Providers	8.01	6.81	4.00	0.00	NA	6.08
2003	SD	Full-Service Providers	7.47	6.04	4.51	0.00	NA	6.35
2003	TN	Full-Service Providers	6.55	6.68	4.29	0.00	NA	5.84
2003	TX	Full-Service Providers	9.16	7.84	5.27	6.62	NA	7.50
2003	UT	Full-Service Providers	6.90	5.59	3.79	6.01	NA	5.41
2003	VA	Full-Service Providers	7.76	5.74	4.23	5.46	NA	6.27
2003	VT	Full-Service Providers	12.82	11.29	8.05	0.00	NA	10.98
2003	WA	Full-Service Providers	6.31	6.06	4.25	6.45	NA	5.78
2003	WI	Full-Service Providers	8.67	6.97	4.71	0.00	NA	6.64
2003	WV	Full-Service Providers	6.24	5.45	3.81	0.00	NA	5.13
2003	WY	Full-Service Providers	7.04	5.74	3.65	0.00	NA	4.76
2003	US	Full-Service Providers	8.68	7.89	5.01	6.82	NA	7.38
2003	CA	Restructured Retail Service Providers	12.84	9.66	8.90	3.94	NA	9.27
2003	CT	Restructured Retail Service Providers	10.38	9.71	7.33	0.00	NA	9.44
2003	DC	Restructured Retail Service Providers	7.79	7.20	5.43	7.64	NA	7.19
2003	DE	Restructured Retail Service Providers	0.00	4.66	4.62	0.00	NA	4.62
2003	IL	Restructured Retail Service Providers	0.00	7.00	5.11	0.00	NA	5.75
2003	MA	Restructured Retail Service Providers	13.91	9.56	8.14	0.00	NA	9.31
2003	MD	Restructured Retail Service Providers	7.87	6.33	6.28	5.88	NA	6.40
2003	ME	Restructured Retail Service Providers	12.44	10.37	6.83	0.00	NA	10.14
2003	MI	Restructured Retail Service Providers	0.00	5.96	4.91	0.00	NA	5.00
2003	MT	Restructured Retail Service Providers	4.95	5.47	3.77	0.00	NA	4.06
2003	NH	Restructured Retail Service Providers	0.00	7.35	6.97	0.00	NA	6.99
2003	NJ	Restructured Retail Service Providers	10.48	8.82	8.50	0.00	NA	8.75
2003	NY	Restructured Retail Service Providers	14.81	12.52	5.68	9.31	NA	10.67
2003	OH	Restructured Retail Service Providers	10.31	8.97	5.65	0.00	NA	8.17
2003	PA	Restructured Retail Service Providers	11.47	8.23	5.70	9.42	NA	8.32
2003	RI	Restructured Retail Service Providers	0.00	9.36	8.02	0.00	NA	8.78
2003	VA	Restructured Retail Service Providers	9.85	0.00	0.00	0.00	NA	9.85
2003	WA	Restructured Retail Service Providers	0.00	9.48	9.03	0.00	NA	9.04
2003	US	Restructured Retail Service Providers	11.54	9.82	6.26	8.23	NA	8.44
2003	CA	Energy-Only Providers	7.41	5.76	6.18	3.47	NA	5.94
2003	CT	Energy-Only Providers	5.20	5.05	4.23	0.00	NA	4.91
2003	DC	Energy-Only Providers	5.19	4.21	4.33	5.08	NA	4.31
2003	DE	Energy-Only Providers	0.00	4.02	4.41	0.00	NA	4.41

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2003	IL	Energy-Only Providers	0.00	4.70	3.67	0.00	NA	4.02
2003	MA	Energy-Only Providers	6.19	5.16	4.80	0.00	NA	5.09
2003	MD	Energy-Only Providers	4.74	4.21	4.67	4.62	NA	4.55
2003	ME	Energy-Only Providers	5.01	5.33	4.49	0.00	NA	4.98
2003	MI	Energy-Only Providers	0.00	5.18	4.43	0.00	NA	4.50
2003	MT	Energy-Only Providers	2.30	3.66	3.48	0.00	NA	3.51
2003	NH	Energy-Only Providers	0.00	4.95	4.52	0.00	NA	4.55
2003	NJ	Energy-Only Providers	5.90	5.35	5.14	0.00	NA	5.27
2003	NY	Energy-Only Providers	7.98	8.22	3.99	6.93	NA	7.02
2003	OH	Energy-Only Providers	4.48	4.28	3.01	0.00	NA	3.89
2003	PA	Energy-Only Providers	5.97	5.45	4.51	6.84	NA	5.37
2003	RI	Energy-Only Providers	0.00	4.89	4.81	0.00	NA	4.86
2003	VA	Energy-Only Providers	5.50	0.00	0.00	0.00	NA	5.50
2003	WA	Energy-Only Providers	0.00	8.47	8.47	0.00	NA	8.47
2003	US	Energy-Only Providers	5.43	6.02	4.47	6.16	NA	5.30
2003	CA	Delivery-Only Service	5.43	3.90	2.72	0.47	NA	3.33
2003	CT	Delivery-Only Service	5.19	4.66	3.11	0.00	NA	4.53
2003	DC	Delivery-Only Service	2.60	2.99	1.10	2.56	NA	2.88
2003	DE	Delivery-Only Service	0.00	0.64	0.21	0.00	NA	0.21
2003	IL	Delivery-Only Service	0.00	2.30	1.44	0.00	NA	1.73
2003	MA	Delivery-Only Service	7.72	4.40	3.35	0.00	NA	4.22
2003	MD	Delivery-Only Service	3.13	2.11	1.61	1.26	NA	1.85
2003	ME	Delivery-Only Service	7.43	5.04	2.34	0.00	NA	5.16
2003	MI	Delivery-Only Service	0.00	0.78	0.48	0.00	NA	0.51
2003	MT	Delivery-Only Service	2.65	1.81	0.30	0.00	NA	0.55
2003	NH	Delivery-Only Service	0.00	2.40	2.44	0.00	NA	2.44
2003	NJ	Delivery-Only Service	4.58	3.47	3.36	0.00	NA	3.48
2003	NY	Delivery-Only Service	6.82	4.30	1.69	2.37	NA	3.65
2003	OH	Delivery-Only Service	5.83	4.69	2.64	0.00	NA	4.28
2003	PA	Delivery-Only Service	5.50	2.78	1.18	2.58	NA	2.95
2003	RI	Delivery-Only Service	0.00	4.47	3.21	0.00	NA	3.92
2003	VA	Delivery-Only Service	4.35	0.00	0.00	0.00	NA	4.35
2003	WA	Delivery-Only Service	0.00	1.01	0.56	0.00	NA	0.57
2003	US	Delivery-Only Service	6.11	3.80	1.80	2.07	NA	3.13
2002	AK	Total Electric Industry	12.05	10.13	7.65	NA	14.04	10.46
2002	AL	Total Electric Industry	7.12	6.63	3.82	NA	7.46	5.71
2002	AR	Total Electric Industry	7.25	5.68	4.01	NA	6.52	5.61
2002	AZ	Total Electric Industry	8.27	7.28	5.20	NA	4.56	7.21
2002	CA	Total Electric Industry	12.64	13.36	9.81	NA	6.60	12.19
2002	CO	Total Electric Industry	7.37	5.67	4.52	NA	6.64	6.00
2002	CT	Total Electric Industry	10.96	9.32	7.68	NA	10.35	9.71
2002	DC	Total Electric Industry	7.98	7.32	4.95	NA	6.59	7.34
2002	DE	Total Electric Industry	8.70	7.15	4.85	NA	14.13	6.91
2002	FL	Total Electric Industry	8.16	6.64	5.23	NA	7.43	7.31
2002	GA	Total Electric Industry	7.63	6.46	3.95	NA	8.31	6.24
2002	HI	Total Electric Industry	15.63	14.11	11.02	NA	16.85	13.39
2002	IA	Total Electric Industry	8.35	6.56	4.06	NA	4.92	6.01
2002	ID	Total Electric Industry	6.59	5.71	4.34	NA	5.18	5.58
2002	IL	Total Electric Industry	8.39	7.52	4.89	NA	5.88	6.94
2002	IN	Total Electric Industry	6.91	5.98	3.95	NA	9.75	5.34
2002	KS	Total Electric Industry	7.67	6.28	4.53	NA	9.30	6.31
2002	KY	Total Electric Industry	5.65	5.30	3.09	NA	4.61	4.26
2002	LA	Total Electric Industry	7.10	6.64	4.42	NA	7.05	5.99
2002	MA	Total Electric Industry	10.93	10.02	8.34	NA	13.11	10.06
2002	MD	Total Electric Industry	7.74	6.31	4.01	NA	9.42	6.18
2002	ME	Total Electric Industry	12.74	10.68	7.05	NA	23.39	10.35
2002	MI	Total Electric Industry	8.28	7.79	5.02	NA	10.43	7.09
2002	MN	Total Electric Industry	7.49	5.88	4.07	NA	7.36	5.80
2002	MO	Total Electric Industry	7.06	5.88	4.42	NA	6.20	6.09
2002	MS	Total Electric Industry	7.28	6.83	4.40	NA	8.76	6.24
2002	MT	Total Electric Industry	7.23	6.28	3.71	NA	7.04	5.70
2002	NC	Total Electric Industry	8.19	6.51	4.70	NA	6.70	6.74
2002	ND	Total Electric Industry	6.39	5.85	3.98	NA	3.68	5.45
2002	NE	Total Electric Industry	6.73	5.62	3.89	NA	6.37	5.55
2002	NH	Total Electric Industry	11.89	10.06	9.09	NA	12.84	10.60
2002	NJ	Total Electric Industry	10.38	8.90	7.72	NA	14.81	9.30
2002	NM	Total Electric Industry	8.50	7.22	4.48	NA	6.23	6.73
2002	NV	Total Electric Industry	9.43	9.06	7.25	NA	6.54	8.42
2002	NY	Total Electric Industry	13.55	12.33	5.18	NA	8.68	11.16
2002	OH	Total Electric Industry	8.24	7.81	4.87	NA	5.42	6.77
2002	OK	Total Electric Industry	6.73	5.75	3.81	NA	5.06	5.59
2002	OR	Total Electric Industry	7.12	6.59	4.72	NA	9.44	6.32
2002	PA	Total Electric Industry	9.74	8.50	5.83	NA	11.59	8.06
2002	RI	Total Electric Industry	10.20	8.65	7.96	NA	16.46	9.20
2002	SC	Total Electric Industry	7.72	6.48	3.85	NA	6.44	5.83
2002	SD	Total Electric Industry	7.40	6.24	4.54	NA	3.63	6.26

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2002	TN	Total Electric Industry	6.41	6.45	4.15	NA	8.92	5.72
2002	TX	Total Electric Industry	8.05	6.95	4.66	NA	6.55	6.62
2002	UT	Total Electric Industry	6.79	5.60	3.84	NA	4.69	5.39
2002	VA	Total Electric Industry	7.79	5.87	4.13	NA	5.14	6.23
2002	VT	Total Electric Industry	12.78	11.10	7.90	NA	19.26	10.87
2002	WA	Total Electric Industry	6.29	6.11	4.88	NA	4.94	5.88
2002	WI	Total Electric Industry	8.18	6.54	4.43	NA	8.08	6.28
2002	WV	Total Electric Industry	6.23	5.41	3.81	NA	10.01	5.11
2002	WY	Total Electric Industry	6.97	5.71	3.55	NA	5.93	4.68
2002	US	Total Electric Industry	8.44	7.89	4.88	NA	6.75	7.20
2002	AK	Full-Service Providers	12.05	10.13	7.65	NA	14.04	10.46
2002	AL	Full-Service Providers	7.12	6.63	3.82	NA	7.46	5.71
2002	AR	Full-Service Providers	7.25	5.68	4.01	NA	6.52	5.61
2002	AZ	Full-Service Providers	8.27	7.28	5.20	NA	4.56	7.21
2002	CA	Full-Service Providers	12.63	13.84	10.23	NA	6.53	12.52
2002	CO	Full-Service Providers	7.37	5.67	4.52	NA	6.64	6.00
2002	CT	Full-Service Providers	10.96	9.32	7.69	NA	10.34	9.72
2002	DC	Full-Service Providers	7.98	7.51	4.95	NA	4.88	7.47
2002	DE	Full-Service Providers	8.70	7.17	5.20	NA	14.13	7.23
2002	FL	Full-Service Providers	8.16	6.64	5.23	NA	7.43	7.31
2002	GA	Full-Service Providers	7.63	6.46	3.95	NA	8.31	6.24
2002	HI	Full-Service Providers	15.63	14.11	11.02	NA	16.85	13.39
2002	IA	Full-Service Providers	8.35	6.56	4.06	NA	4.92	6.01
2002	ID	Full-Service Providers	6.59	5.71	4.34	NA	5.18	5.58
2002	IL	Full-Service Providers	8.39	7.41	4.75	NA	5.76	7.01
2002	IN	Full-Service Providers	6.91	5.98	3.95	NA	9.75	5.34
2002	KS	Full-Service Providers	7.67	6.28	4.53	NA	9.30	6.31
2002	KY	Full-Service Providers	5.65	5.30	3.09	NA	4.61	4.26
2002	LA	Full-Service Providers	7.10	6.64	4.42	NA	7.05	5.99
2002	MA	Full-Service Providers	10.89	10.21	8.58	NA	12.46	10.26
2002	MD	Full-Service Providers	7.73	6.36	3.49	NA	10.34	6.18
2002	ME	Full-Service Providers	12.95	12.58	6.68	NA	12.19	10.06
2002	MI	Full-Service Providers	8.28	7.91	5.04	NA	10.43	7.15
2002	MN	Full-Service Providers	7.49	5.88	4.07	NA	7.36	5.80
2002	MO	Full-Service Providers	7.06	5.88	4.42	NA	6.20	6.09
2002	MS	Full-Service Providers	7.28	6.83	4.40	NA	8.76	6.24
2002	MT	Full-Service Providers	7.23	6.47	3.87	NA	7.06	6.16
2002	NC	Full-Service Providers	8.19	6.51	4.70	NA	6.70	6.74
2002	ND	Full-Service Providers	6.39	5.85	3.98	NA	3.68	5.45
2002	NE	Full-Service Providers	6.73	5.62	3.89	NA	6.37	5.55
2002	NH	Full-Service Providers	11.88	10.05	9.11	NA	12.85	10.60
2002	NJ	Full-Service Providers	10.38	8.92	7.68	NA	14.81	9.32
2002	NM	Full-Service Providers	8.50	7.22	4.48	NA	6.23	6.73
2002	NV	Full-Service Providers	9.43	9.06	7.25	NA	6.54	8.42
2002	NY	Full-Service Providers	13.46	12.05	4.63	NA	8.46	10.89
2002	OH	Full-Service Providers	7.98	7.72	4.73	NA	5.42	6.62
2002	OK	Full-Service Providers	6.73	5.75	3.81	NA	5.06	5.59
2002	OR	Full-Service Providers	7.12	6.59	4.72	NA	9.44	6.32
2002	PA	Full-Service Providers	9.57	8.51	5.84	NA	11.33	7.98
2002	RI	Full-Service Providers	10.21	8.69	7.83	NA	14.94	9.22
2002	SC	Full-Service Providers	7.72	6.48	3.85	NA	6.44	5.83
2002	SD	Full-Service Providers	7.40	6.24	4.54	NA	3.63	6.26
2002	TN	Full-Service Providers	6.41	6.45	4.15	NA	8.92	5.72
2002	TX	Full-Service Providers	8.05	6.95	4.66	NA	6.55	6.62
2002	UT	Full-Service Providers	6.79	5.60	3.84	NA	4.69	5.39
2002	VA	Full-Service Providers	7.79	5.87	4.13	NA	5.14	6.22
2002	VT	Full-Service Providers	12.78	11.10	7.90	NA	19.26	10.87
2002	WA	Full-Service Providers	6.29	6.11	4.23	NA	4.94	5.77
2002	WI	Full-Service Providers	8.18	6.54	4.43	NA	8.08	6.28
2002	WV	Full-Service Providers	6.23	5.41	3.81	NA	10.01	5.11
2002	WY	Full-Service Providers	6.97	5.71	3.55	NA	5.93	4.68
2002	US	Full-Service Providers	8.40	7.77	4.78	NA	6.65	7.13
2002	CA	Restructured Retail Service Providers	13.92	9.58	8.35	NA	22.89	9.09
2002	CT	Restructured Retail Service Providers	10.45	9.26	7.14	NA	17.73	9.08
2002	DC	Restructured Retail Service Providers	7.90	7.19	0.00	NA	7.16	7.20
2002	DE	Restructured Retail Service Providers	0.00	4.85	3.90	NA	0.00	3.93
2002	IL	Restructured Retail Service Providers	0.00	8.26	5.29	NA	7.05	6.38
2002	MA	Restructured Retail Service Providers	13.86	9.51	7.74	NA	17.20	9.18
2002	MD	Restructured Retail Service Providers	7.94	6.07	5.87	NA	7.77	6.19
2002	ME	Restructured Retail Service Providers	12.73	10.49	7.10	NA	25.77	10.38
2002	MI	Restructured Retail Service Providers	0.00	6.30	4.70	NA	0.00	5.64
2002	MT	Restructured Retail Service Providers	6.04	4.99	3.51	NA	6.01	3.83
2002	NH	Restructured Retail Service Providers	13.00	11.72	8.52	NA	12.61	10.48
2002	NJ	Restructured Retail Service Providers	10.39	7.81	8.29	NA	0.00	8.16
2002	NY	Restructured Retail Service Providers	15.11	13.13	8.70	NA	10.69	12.56
2002	OH	Restructured Retail Service Providers	10.56	8.33	5.64	NA	4.75	7.73

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2002	PA	Restructured Retail Service Providers	12.06	8.41	5.72	NA	16.54	9.03
2002	RI	Restructured Retail Service Providers	9.46	8.45	8.30	NA	16.71	9.04
2002	VA	Restructured Retail Service Providers	8.72	6.75	5.55	NA	5.68	7.31
2002	WA	Restructured Retail Service Providers	0.00	0.00	13.60	NA	0.00	13.60
2002	US	Restructured Retail Service Providers	12.00	9.61	6.61	NA	9.69	8.77
2002	CA	Energy-Only Providers	8.12	6.00	6.18	NA	17.16	6.14
2002	CT	Energy-Only Providers	5.23	4.72	4.10	NA	4.76	4.73
2002	DC	Energy-Only Providers	5.27	4.25	0.00	NA	4.71	4.30
2002	DE	Energy-Only Providers	0.00	3.97	3.57	NA	0.00	3.58
2002	IL	Energy-Only Providers	0.00	5.69	3.67	NA	3.97	4.37
2002	MA	Energy-Only Providers	6.34	5.35	4.51	NA	4.55	5.12
2002	MD	Energy-Only Providers	4.77	4.27	4.51	NA	4.59	4.44
2002	ME	Energy-Only Providers	5.02	5.61	5.01	NA	3.90	5.21
2002	MI	Energy-Only Providers	0.00	5.56	4.41	NA	0.00	5.09
2002	MT	Energy-Only Providers	3.07	3.15	3.28	NA	3.27	3.26
2002	NH	Energy-Only Providers	10.23	8.95	5.72	NA	9.84	7.70
2002	NJ	Energy-Only Providers	6.13	4.35	5.08	NA	0.00	4.79
2002	NY	Energy-Only Providers	7.25	7.93	5.62	NA	4.06	7.31
2002	OH	Energy-Only Providers	4.45	4.05	2.69	NA	3.00	3.56
2002	PA	Energy-Only Providers	5.83	5.50	4.33	NA	4.53	5.36
2002	RI	Energy-Only Providers	4.94	4.83	5.60	NA	4.25	5.09
2002	VA	Energy-Only Providers	4.50	4.33	4.46	NA	4.46	4.45
2002	WA	Energy-Only Providers	0.00	0.00	10.07	NA	0.00	10.07
2002	US	Energy-Only Providers	5.43	5.86	4.53	NA	4.30	5.27
2002	CA	Delivery-Only Service	5.80	3.57	2.17	NA	5.73	2.95
2002	CT	Delivery-Only Service	5.22	4.54	3.05	NA	12.97	4.34
2002	DC	Delivery-Only Service	2.63	2.94	0.00	NA	2.46	2.90
2002	DE	Delivery-Only Service	0.00	0.88	0.33	NA	0.00	0.35
2002	IL	Delivery-Only Service	0.00	2.57	1.62	NA	3.08	2.02
2002	MA	Delivery-Only Service	7.52	4.16	3.23	NA	12.65	4.06
2002	MD	Delivery-Only Service	3.17	1.80	1.35	NA	3.18	1.74
2002	ME	Delivery-Only Service	7.71	4.88	2.09	NA	21.86	5.17
2002	MI	Delivery-Only Service	0.00	0.73	0.29	NA	0.00	0.55
2002	MT	Delivery-Only Service	2.97	1.83	0.22	NA	2.74	0.57
2002	NH	Delivery-Only Service	2.77	2.76	2.79	NA	2.77	2.78
2002	NJ	Delivery-Only Service	4.26	3.47	3.22	NA	0.00	3.37
2002	NY	Delivery-Only Service	7.87	5.20	3.09	NA	6.63	5.26
2002	OH	Delivery-Only Service	6.11	4.28	2.95	NA	1.75	4.17
2002	PA	Delivery-Only Service	6.23	2.91	1.39	NA	12.01	3.67
2002	RI	Delivery-Only Service	4.52	3.62	2.70	NA	12.46	3.95
2002	VA	Delivery-Only Service	4.22	2.42	1.09	NA	1.22	2.86
2002	WA	Delivery-Only Service	0.00	0.00	3.54	NA	0.00	3.54
2002	US	Delivery-Only Service	6.57	3.75	2.08	NA	5.39	3.50
2001	AK	Total Electric Industry	12.12	10.29	7.61	NA	14.37	10.54
2001	AL	Total Electric Industry	7.01	6.53	3.79	NA	7.11	5.60
2001	AR	Total Electric Industry	7.72	6.19	4.43	NA	6.91	6.05
2001	AZ	Total Electric Industry	8.30	7.37	5.24	NA	4.93	7.27
2001	CA	Total Electric Industry	12.09	12.15	9.23	NA	8.48	11.22
2001	CO	Total Electric Industry	7.47	5.67	4.48	NA	8.36	6.02
2001	CT	Total Electric Industry	10.90	9.26	7.62	NA	10.00	9.62
2001	DC	Total Electric Industry	7.79	7.45	4.81	NA	6.39	7.40
2001	DE	Total Electric Industry	8.61	7.00	4.81	NA	14.17	6.80
2001	FL	Total Electric Industry	8.59	7.08	5.18	NA	7.60	7.67
2001	GA	Total Electric Industry	7.72	6.61	4.28	NA	8.56	6.39
2001	HI	Total Electric Industry	16.34	14.81	11.68	NA	16.81	14.05
2001	IA	Total Electric Industry	8.41	6.69	4.18	NA	5.67	6.14
2001	ID	Total Electric Industry	6.01	5.13	3.71	NA	4.66	4.92
2001	IL	Total Electric Industry	8.71	7.40	4.65	NA	6.37	6.90
2001	IN	Total Electric Industry	6.92	5.29	4.11	NA	9.06	5.30
2001	KS	Total Electric Industry	7.66	6.20	4.55	NA	8.91	6.24
2001	KY	Total Electric Industry	5.58	5.20	3.04	NA	4.53	4.24
2001	LA	Total Electric Industry	7.92	7.58	5.58	NA	8.43	6.96
2001	MA	Total Electric Industry	12.47	11.64	9.37	NA	15.52	11.55
2001	MD	Total Electric Industry	7.67	6.36	4.37	NA	9.42	6.60
2001	ME	Total Electric Industry	13.13	11.64	7.15	NA	25.40	10.55
2001	MI	Total Electric Industry	8.26	7.54	5.08	NA	10.38	6.97
2001	MN	Total Electric Industry	7.61	6.03	4.34	NA	7.43	5.97
2001	MO	Total Electric Industry	7.00	5.89	4.39	NA	6.08	6.03
2001	MS	Total Electric Industry	7.37	6.94	4.40	NA	8.95	6.26
2001	MT	Total Electric Industry	6.88	5.91	6.59	NA	7.47	6.48
2001	NC	Total Electric Industry	8.12	6.42	4.61	NA	6.68	6.58
2001	ND	Total Electric Industry	6.47	5.99	3.98	NA	3.79	5.48
2001	NE	Total Electric Industry	6.50	5.48	3.76	NA	6.51	5.39
2001	NH	Total Electric Industry	12.49	10.53	9.11	NA	13.28	10.95
2001	NJ	Total Electric Industry	10.21	9.09	8.33	NA	11.21	9.36
2001	NM	Total Electric Industry	8.74	7.50	5.45	NA	6.37	7.16

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2001	NV	Total Electric Industry	9.08	8.45	6.56	NA	6.15	7.86
2001	NY	Total Electric Industry	14.04	12.87	5.56	NA	8.77	11.55
2001	OH	Total Electric Industry	8.37	8.46	4.27	NA	5.86	6.62
2001	OK	Total Electric Industry	7.27	6.35	4.29	NA	5.39	6.10
2001	OR	Total Electric Industry	6.29	5.45	4.21	NA	7.33	5.44
2001	PA	Total Electric Industry	9.68	8.62	5.76	NA	11.46	8.01
2001	RI	Total Electric Industry	12.13	11.54	9.36	NA	22.86	11.45
2001	SC	Total Electric Industry	7.69	6.45	3.86	NA	6.39	5.77
2001	SD	Total Electric Industry	7.42	6.55	4.46	NA	3.71	6.35
2001	TN	Total Electric Industry	6.32	6.31	4.05	NA	8.83	5.59
2001	TX	Total Electric Industry	8.86	7.74	5.27	NA	7.56	7.38
2001	UT	Total Electric Industry	6.72	5.58	3.53	NA	4.53	5.21
2001	VA	Total Electric Industry	7.79	5.85	4.16	NA	5.16	6.18
2001	VT	Total Electric Industry	12.67	11.28	7.89	NA	18.85	10.86
2001	WA	Total Electric Industry	5.70	5.45	4.75	NA	4.69	5.34
2001	WI	Total Electric Industry	7.90	6.34	4.36	NA	7.70	6.08
2001	WV	Total Electric Industry	6.26	5.44	3.74	NA	10.36	5.07
2001	WY	Total Electric Industry	6.77	5.41	3.43	NA	5.07	4.46
2001	US	Total Electric Industry	8.58	7.92	5.05	NA	7.20	7.29
2001	AK	Full-Service Providers	12.12	10.29	7.61	NA	14.37	10.54
2001	AL	Full-Service Providers	7.01	6.53	3.79	NA	7.11	5.60
2001	AR	Full-Service Providers	7.72	6.19	4.43	NA	6.91	6.05
2001	AZ	Full-Service Providers	8.30	7.36	5.24	NA	4.93	7.27
2001	CA	Full-Service Providers	12.08	12.41	9.54	NA	8.47	11.41
2001	CO	Full-Service Providers	7.47	5.67	4.48	NA	8.36	6.02
2001	CT	Full-Service Providers	10.91	9.26	7.62	NA	10.00	9.62
2001	DC	Full-Service Providers	7.80	7.47	4.80	NA	5.96	7.42
2001	DE	Full-Service Providers	8.61	7.09	4.90	NA	14.17	7.00
2001	FL	Full-Service Providers	8.59	7.08	5.18	NA	7.60	7.67
2001	GA	Full-Service Providers	7.72	6.61	4.28	NA	8.56	6.39
2001	HI	Full-Service Providers	16.34	14.81	11.68	NA	16.81	14.05
2001	IA	Full-Service Providers	8.41	6.69	4.18	NA	5.67	6.14
2001	ID	Full-Service Providers	6.01	5.13	3.71	NA	4.66	4.92
2001	IL	Full-Service Providers	8.71	7.51	4.57	NA	6.48	7.02
2001	IN	Full-Service Providers	6.92	5.29	4.11	NA	9.06	5.30
2001	KS	Full-Service Providers	7.66	6.20	4.55	NA	8.91	6.24
2001	KY	Full-Service Providers	5.58	5.20	3.04	NA	4.53	4.24
2001	LA	Full-Service Providers	7.92	7.58	5.58	NA	8.43	6.96
2001	MA	Full-Service Providers	12.47	11.77	9.37	NA	15.22	11.60
2001	MD	Full-Service Providers	7.66	6.35	4.31	NA	9.58	6.59
2001	ME	Full-Service Providers	15.24	12.57	7.32	NA	20.21	11.33
2001	MI	Full-Service Providers	8.26	7.54	5.08	NA	10.38	6.98
2001	MN	Full-Service Providers	7.61	6.03	4.34	NA	7.43	5.97
2001	MO	Full-Service Providers	7.00	5.89	4.39	NA	6.08	6.03
2001	MS	Full-Service Providers	7.37	6.94	4.40	NA	8.95	6.26
2001	MT	Full-Service Providers	6.88	6.09	4.57	NA	7.47	6.12
2001	NC	Full-Service Providers	8.12	6.42	4.61	NA	6.68	6.58
2001	ND	Full-Service Providers	6.47	5.99	3.98	NA	3.79	5.48
2001	NE	Full-Service Providers	6.50	5.48	3.76	NA	6.51	5.39
2001	NH	Full-Service Providers	12.49	10.53	9.11	NA	13.28	10.95
2001	NJ	Full-Service Providers	10.22	9.11	8.46	NA	11.17	9.42
2001	NM	Full-Service Providers	8.74	7.50	5.45	NA	6.37	7.16
2001	NV	Full-Service Providers	9.08	8.45	6.56	NA	6.15	7.86
2001	NY	Full-Service Providers	13.99	12.68	5.03	NA	8.56	11.29
2001	OH	Full-Service Providers	8.32	8.44	4.24	NA	5.92	6.65
2001	OK	Full-Service Providers	7.27	6.35	4.29	NA	5.39	6.10
2001	OR	Full-Service Providers	6.29	5.45	4.21	NA	7.33	5.44
2001	PA	Full-Service Providers	9.39	8.80	5.78	NA	11.35	7.95
2001	RI	Full-Service Providers	12.13	11.81	9.37	NA	-13.91	11.52
2001	SC	Full-Service Providers	7.69	6.45	3.86	NA	6.39	5.77
2001	SD	Full-Service Providers	7.42	6.55	4.46	NA	3.71	6.35
2001	TN	Full-Service Providers	6.32	6.31	4.05	NA	8.83	5.59
2001	TX	Full-Service Providers	8.86	7.74	5.29	NA	7.52	7.39
2001	UT	Full-Service Providers	6.72	5.58	3.53	NA	4.53	5.21
2001	VA	Full-Service Providers	7.79	5.85	4.16	NA	5.16	6.18
2001	VT	Full-Service Providers	12.67	11.17	7.89	NA	18.85	10.82
2001	WA	Full-Service Providers	5.70	5.45	4.43	NA	4.69	5.27
2001	WI	Full-Service Providers	7.90	6.34	4.36	NA	7.70	6.08
2001	WV	Full-Service Providers	6.26	5.44	3.74	NA	10.36	5.07
2001	WY	Full-Service Providers	6.77	5.41	3.43	NA	5.07	4.46
2001	US	Full-Service Providers	8.55	7.84	5.01	NA	7.15	7.25
2001	CA	Restructured Retail Service Providers	12.72	6.66	5.41	NA	8.70	6.54
2001	CT	Restructured Retail Service Providers	9.45	9.43	0.00	NA	0.00	9.45
2001	DC	Restructured Retail Service Providers	6.82	7.39	5.41	NA	6.69	7.32
2001	DE	Restructured Retail Service Providers	5.66	5.12	4.40	NA	0.00	4.53
2001	IL	Restructured Retail Service Providers	0.00	6.31	5.14	NA	5.97	5.67

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2001	MA	Restructured Retail Service Providers	13.54	10.76	9.37	NA	17.80	10.82
2001	MD	Restructured Retail Service Providers	8.47	6.52	5.29	NA	8.76	6.70
2001	ME	Restructured Retail Service Providers	12.73	10.52	7.08	NA	27.69	10.17
2001	MI	Restructured Retail Service Providers	0.00	7.01	5.39	NA	0.00	6.04
2001	MT	Restructured Retail Service Providers	4.70	4.86	9.85	NA	0.00	8.34
2001	NH	Restructured Retail Service Providers	0.00	9.80	0.00	NA	0.00	9.80
2001	NJ	Restructured Retail Service Providers	8.58	8.71	7.09	NA	12.68	8.07
2001	NY	Restructured Retail Service Providers	15.00	13.55	11.42	NA	11.00	13.30
2001	OH	Restructured Retail Service Providers	9.83	8.90	4.49	NA	4.39	6.14
2001	PA	Restructured Retail Service Providers	11.98	7.98	5.66	NA	18.27	8.38
2001	RI	Restructured Retail Service Providers	0.00	10.49	9.30	NA	20.83	11.00
2001	TX	Restructured Retail Service Providers	9.55	8.93	0.93	NA	407.76	6.30
2001	VA	Restructured Retail Service Providers	7.47	6.14	4.98	NA	5.64	6.75
2001	WA	Restructured Retail Service Providers	0.00	0.00	9.83	NA	0.00	9.83
2001	US	Restructured Retail Service Providers	12.08	9.67	6.07	NA	8.47	8.66
2001	CA	Energy-Only Providers	13.21	8.02	7.49	NA	10.78	8.21
2001	CT	Energy-Only Providers	4.97	5.03	0.00	NA	0.00	4.97
2001	DC	Energy-Only Providers	4.42	4.42	4.39	NA	4.42	4.42
2001	DE	Energy-Only Providers	3.03	4.06	3.62	NA	0.00	3.70
2001	IL	Energy-Only Providers	0.00	4.60	4.18	NA	4.49	4.37
2001	MA	Energy-Only Providers	6.70	6.46	5.89	NA	5.04	6.39
2001	MD	Energy-Only Providers	5.24	4.66	3.70	NA	4.61	4.51
2001	ME	Energy-Only Providers	4.76	5.92	5.02	NA	5.21	5.11
2001	MI	Energy-Only Providers	0.00	6.23	4.80	NA	0.00	5.37
2001	MT	Energy-Only Providers	2.30	2.64	9.20	NA	0.00	7.21
2001	NH	Energy-Only Providers	0.00	6.76	0.00	NA	0.00	6.76
2001	NJ	Energy-Only Providers	4.33	4.60	3.62	NA	8.18	4.21
2001	NY	Energy-Only Providers	7.03	8.28	7.18	NA	4.52	7.79
2001	OH	Energy-Only Providers	3.72	3.81	2.63	NA	3.08	3.03
2001	PA	Energy-Only Providers	4.70	4.68	3.78	NA	5.30	4.43
2001	RI	Energy-Only Providers	0.00	6.62	6.62	NA	5.42	6.53
2001	TX	Energy-Only Providers	5.86	7.35	0.00	NA	401.22	4.74
2001	VA	Energy-Only Providers	4.59	4.42	4.52	NA	4.52	4.53
2001	WA	Energy-Only Providers	0.00	0.00	6.17	NA	0.00	6.17
2001	US	Energy-Only Providers	5.34	6.22	4.69	NA	5.23	5.51
2001	CA	Delivery-Only Service	-0.48	-1.35	-2.08	NA	-2.09	-1.67
2001	CT	Delivery-Only Service	4.48	4.40	0.00	NA	0.00	4.48
2001	DC	Delivery-Only Service	2.40	2.97	1.01	NA	2.27	2.90
2001	DE	Delivery-Only Service	2.63	1.06	0.78	NA	0.00	0.83
2001	IL	Delivery-Only Service	0.00	1.71	0.95	NA	1.48	1.29
2001	MA	Delivery-Only Service	6.84	4.31	3.49	NA	12.77	4.43
2001	MD	Delivery-Only Service	3.23	1.87	1.60	NA	4.15	2.19
2001	ME	Delivery-Only Service	7.97	4.59	2.05	NA	22.48	5.06
2001	MI	Delivery-Only Service	0.00	0.78	0.59	NA	0.00	0.67
2001	MT	Delivery-Only Service	2.39	2.22	0.66	NA	0.00	1.13
2001	NH	Delivery-Only Service	0.00	3.04	0.00	NA	0.00	3.04
2001	NJ	Delivery-Only Service	4.25	4.11	3.47	NA	4.50	3.86
2001	NY	Delivery-Only Service	7.97	5.28	4.24	NA	6.48	5.51
2001	OH	Delivery-Only Service	6.11	5.10	1.86	NA	1.31	3.11
2001	PA	Delivery-Only Service	7.28	3.30	1.88	NA	12.96	3.95
2001	RI	Delivery-Only Service	0.00	3.87	2.67	NA	15.41	4.47
2001	TX	Delivery-Only Service	3.68	1.59	0.93	NA	6.53	1.56
2001	VA	Delivery-Only Service	2.88	1.72	0.45	NA	1.12	2.22
2001	WA	Delivery-Only Service	0.00	0.00	3.66	NA	0.00	3.66
2001	US	Delivery-Only Service	6.74	3.44	1.38	NA	3.24	3.15
2000	AK	Total Electric Industry	11.45	9.77	7.56	NA	14.17	10.08
2000	AL	Total Electric Industry	7.05	6.58	3.87	NA	7.12	5.61
2000	AR	Total Electric Industry	7.45	5.93	4.20	NA	6.39	5.77
2000	AZ	Total Electric Industry	8.44	7.34	5.27	NA	4.53	7.25
2000	CA	Total Electric Industry	10.89	10.25	7.14	NA	4.87	9.47
2000	CO	Total Electric Industry	7.31	5.55	4.25	NA	7.77	5.88
2000	CT	Total Electric Industry	10.86	9.27	7.32	NA	10.06	9.52
2000	DC	Total Electric Industry	8.03	7.55	4.74	NA	6.67	7.52
2000	DE	Total Electric Industry	8.54	5.89	3.73	NA	14.19	6.08
2000	FL	Total Electric Industry	7.77	6.25	4.84	NA	6.96	6.91
2000	GA	Total Electric Industry	7.60	6.50	4.10	NA	8.51	6.21
2000	HI	Total Electric Industry	16.41	14.81	11.69	NA	14.76	14.03
2000	IA	Total Electric Industry	8.37	6.57	3.89	NA	6.13	5.93
2000	ID	Total Electric Industry	5.39	4.24	3.11	NA	4.13	4.17
2000	IL	Total Electric Industry	8.83	7.31	4.99	NA	5.63	6.94
2000	IN	Total Electric Industry	6.87	5.93	3.81	NA	9.37	5.18
2000	KS	Total Electric Industry	7.65	6.25	4.55	NA	7.29	6.27
2000	KY	Total Electric Industry	5.47	5.14	3.01	NA	4.40	4.18
2000	LA	Total Electric Industry	7.67	7.18	5.00	NA	6.98	6.48
2000	MA	Total Electric Industry	10.53	9.13	8.20	NA	15.32	9.49
2000	MD	Total Electric Industry	7.95	6.55	4.14	NA	8.89	6.74

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2000	ME	Total Electric Industry	12.49	10.23	6.89	NA	11.45	9.69
2000	MI	Total Electric Industry	8.52	7.90	5.09	NA	10.77	7.11
2000	MN	Total Electric Industry	7.52	6.36	4.57	NA	7.60	5.87
2000	MO	Total Electric Industry	7.04	5.83	4.43	NA	6.02	6.02
2000	MS	Total Electric Industry	6.93	6.41	4.14	NA	8.33	5.85
2000	MT	Total Electric Industry	6.49	5.60	3.97	NA	0.68	5.00
2000	NC	Total Electric Industry	7.97	6.36	4.58	NA	6.53	6.48
2000	ND	Total Electric Industry	6.44	6.08	3.98	NA	4.19	5.44
2000	NE	Total Electric Industry	6.53	5.42	3.61	NA	6.10	5.31
2000	NH	Total Electric Industry	13.15	10.81	9.17	NA	12.41	11.25
2000	NJ	Total Electric Industry	10.27	9.14	8.58	NA	12.11	9.47
2000	NM	Total Electric Industry	8.36	7.06	4.69	NA	5.64	6.58
2000	NV	Total Electric Industry	7.28	6.74	4.98	NA	4.77	6.17
2000	NY	Total Electric Industry	13.97	12.65	5.37	NA	8.99	11.38
2000	OH	Total Electric Industry	8.61	7.61	4.37	NA	6.10	6.41
2000	OK	Total Electric Industry	7.03	6.14	4.09	NA	5.46	5.88
2000	OR	Total Electric Industry	5.88	5.06	3.56	NA	7.10	4.89
2000	PA	Total Electric Industry	9.53	7.71	5.63	NA	10.71	7.65
2000	RI	Total Electric Industry	11.28	9.50	8.76	NA	25.19	10.18
2000	SC	Total Electric Industry	7.58	6.35	3.74	NA	6.29	5.62
2000	SD	Total Electric Industry	7.42	6.64	4.49	NA	4.30	6.32
2000	TN	Total Electric Industry	6.33	6.28	4.09	NA	8.79	5.58
2000	TX	Total Electric Industry	7.96	6.88	4.42	NA	6.77	6.49
2000	UT	Total Electric Industry	6.29	5.23	3.35	NA	4.14	4.84
2000	VA	Total Electric Industry	7.52	5.65	3.90	NA	5.05	5.94
2000	VT	Total Electric Industry	12.30	10.61	7.31	NA	12.20	10.27
2000	WA	Total Electric Industry	5.13	4.86	3.30	NA	3.65	4.33
2000	WI	Total Electric Industry	7.53	6.03	4.04	NA	7.40	5.71
2000	WV	Total Electric Industry	6.27	5.46	3.76	NA	9.88	5.07
2000	WY	Total Electric Industry	6.50	5.29	3.36	NA	4.87	4.34
2000	US	Total Electric Industry	8.24	7.43	4.64	NA	6.56	6.81
2000	AK	Full-Service Providers	11.45	9.77	7.56	NA	14.17	10.08
2000	AL	Full-Service Providers	7.05	6.58	3.87	NA	7.12	5.61
2000	AR	Full-Service Providers	7.45	5.93	4.20	NA	6.39	5.77
2000	AZ	Full-Service Providers	8.44	7.37	5.27	NA	4.53	7.26
2000	CA	Full-Service Providers	10.85	10.55	7.22	NA	4.79	9.66
2000	CO	Full-Service Providers	7.31	5.55	4.25	NA	7.77	5.88
2000	CT	Full-Service Providers	10.86	9.27	7.32	NA	10.06	9.52
2000	DC	Full-Service Providers	8.03	7.55	4.74	NA	6.67	7.52
2000	DE	Full-Service Providers	8.54	6.12	3.68	NA	14.19	6.17
2000	FL	Full-Service Providers	7.77	6.25	4.84	NA	6.96	6.91
2000	GA	Full-Service Providers	7.60	6.50	4.10	NA	8.51	6.21
2000	HI	Full-Service Providers	16.41	14.81	11.69	NA	14.76	14.03
2000	IA	Full-Service Providers	8.37	6.57	3.89	NA	6.13	5.93
2000	ID	Full-Service Providers	5.39	4.24	3.11	NA	4.13	4.17
2000	IL	Full-Service Providers	8.83	7.53	4.76	NA	5.55	6.99
2000	IN	Full-Service Providers	6.87	5.93	3.81	NA	9.37	5.18
2000	KS	Full-Service Providers	7.65	6.25	4.55	NA	7.29	6.27
2000	KY	Full-Service Providers	5.47	5.14	3.01	NA	4.40	4.18
2000	LA	Full-Service Providers	7.67	7.18	5.00	NA	6.98	6.48
2000	MA	Full-Service Providers	10.53	9.20	8.27	NA	15.34	9.57
2000	MD	Full-Service Providers	7.96	6.55	4.13	NA	8.89	6.74
2000	ME	Full-Service Providers	12.92	10.77	7.18	NA	21.70	9.96
2000	MI	Full-Service Providers	8.53	7.90	5.10	NA	10.77	7.12
2000	MN	Full-Service Providers	7.52	6.36	4.57	NA	7.60	5.87
2000	MO	Full-Service Providers	7.04	5.83	4.43	NA	6.02	6.02
2000	MS	Full-Service Providers	6.93	6.41	4.14	NA	8.33	5.85
2000	MT	Full-Service Providers	6.48	5.70	2.48	NA	7.18	4.74
2000	NC	Full-Service Providers	7.97	6.36	4.58	NA	6.53	6.48
2000	ND	Full-Service Providers	6.44	6.08	3.98	NA	4.19	5.44
2000	NE	Full-Service Providers	6.53	5.42	3.61	NA	6.10	5.31
2000	NH	Full-Service Providers	13.14	10.87	9.10	NA	12.41	11.26
2000	NJ	Full-Service Providers	10.29	9.23	8.16	NA	11.94	9.47
2000	NM	Full-Service Providers	8.36	7.06	4.69	NA	5.64	6.58
2000	NV	Full-Service Providers	7.28	6.74	4.98	NA	4.77	6.17
2000	NY	Full-Service Providers	14.03	12.54	4.97	NA	8.71	11.23
2000	OH	Full-Service Providers	8.61	7.61	4.47	NA	6.10	6.50
2000	OK	Full-Service Providers	7.03	6.14	4.09	NA	5.46	5.88
2000	OR	Full-Service Providers	5.88	5.06	3.56	NA	7.10	4.89
2000	PA	Full-Service Providers	9.35	8.21	5.31	NA	10.60	7.82
2000	RI	Full-Service Providers	11.28	9.71	8.70	NA	20.44	10.20
2000	SC	Full-Service Providers	7.58	6.35	3.74	NA	6.29	5.62
2000	SD	Full-Service Providers	7.42	6.64	4.49	NA	4.30	6.32
2000	TN	Full-Service Providers	6.33	6.28	4.09	NA	8.79	5.58
2000	TX	Full-Service Providers	7.96	6.88	4.42	NA	6.77	6.49
2000	UT	Full-Service Providers	6.29	5.23	3.35	NA	4.14	4.84

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
2000	VA	Full-Service Providers	7.52	5.65	3.90	NA	5.05	5.94
2000	VT	Full-Service Providers	12.30	10.61	7.31	NA	12.20	10.27
2000	WA	Full-Service Providers	5.13	4.86	3.42	NA	3.65	4.41
2000	WI	Full-Service Providers	7.53	6.03	4.04	NA	7.40	5.71
2000	WV	Full-Service Providers	6.27	5.46	3.76	NA	9.88	5.07
2000	WY	Full-Service Providers	6.50	5.29	3.36	NA	4.87	4.34
2000	US	Full-Service Providers	8.21	7.36	4.57	NA	6.48	6.78
2000	AZ	Restructured Retail Service Providers	0.00	3.68	0.00	NA	0.00	3.68
2000	CA	Restructured Retail Service Providers	13.64	7.82	6.78	NA	9.36	7.63
2000	DE	Restructured Retail Service Providers	5.29	3.71	5.42	NA	0.00	4.08
2000	IL	Restructured Retail Service Providers	0.00	5.49	6.92	NA	0.00	6.28
2000	MA	Restructured Retail Service Providers	11.39	8.39	7.11	NA	14.83	8.15
2000	MD	Restructured Retail Service Providers	4.86	8.81	0.00	NA	0.00	8.52
2000	ME	Restructured Retail Service Providers	12.27	8.47	6.59	NA	9.56	9.39
2000	MI	Restructured Retail Service Providers	6.22	5.62	4.91	NA	0.00	5.03
2000	MT	Restructured Retail Service Providers	11.05	4.58	8.02	NA	0.00	7.49
2000	NH	Restructured Retail Service Providers	14.59	9.26	22.46	NA	0.00	10.72
2000	NJ	Restructured Retail Service Providers	9.53	8.71	13.82	NA	0.00	9.41
2000	NM	Restructured Retail Service Providers	2.82	2.82	2.81	NA	0.00	2.81
2000	NY	Restructured Retail Service Providers	12.30	13.06	9.41	NA	10.63	12.38
2000	OH	Restructured Retail Service Providers	0.00	0.00	2.71	NA	0.00	2.71
2000	PA	Restructured Retail Service Providers	11.69	6.95	6.27	NA	10.96	7.18
2000	RI	Restructured Retail Service Providers	0.00	5.11	12.98	NA	48.98	9.19
2000	WA	Restructured Retail Service Providers	0.00	0.00	2.19	NA	0.00	2.19
2000	US	Restructured Retail Service Providers	12.07	8.65	6.24	NA	11.42	7.97
2000	AZ	Energy-Only Providers	0.00	3.68	0.00	NA	0.00	3.68
2000	CA	Energy-Only Providers	12.27	9.10	8.87	NA	8.44	9.15
2000	DE	Energy-Only Providers	5.20	3.42	3.52	NA	0.00	3.44
2000	IL	Energy-Only Providers	0.00	4.11	4.27	NA	0.00	4.19
2000	MA	Energy-Only Providers	4.44	3.56	3.76	NA	1.69	3.60
2000	MD	Energy-Only Providers	4.21	6.39	0.00	NA	0.00	5.06
2000	ME	Energy-Only Providers	4.07	4.51	4.26	NA	4.33	4.22
2000	MI	Energy-Only Providers	6.22	4.09	4.06	NA	0.00	4.10
2000	MT	Energy-Only Providers	2.42	2.38	7.50	NA	0.00	6.68
2000	NH	Energy-Only Providers	3.08	2.68	2.36	NA	0.00	2.70
2000	NJ	Energy-Only Providers	4.81	4.33	4.11	NA	0.00	4.34
2000	NM	Energy-Only Providers	2.82	2.82	2.81	NA	0.00	2.81
2000	NY	Energy-Only Providers	6.13	7.29	4.86	NA	3.65	6.67
2000	OH	Energy-Only Providers	0.00	0.00	2.51	NA	0.00	2.51
2000	PA	Energy-Only Providers	4.54	4.31	3.95	NA	5.33	4.19
2000	RI	Energy-Only Providers	0.00	3.07	3.20	NA	3.44	3.11
2000	WA	Energy-Only Providers	0.00	0.00	2.14	NA	0.00	2.14
2000	US	Energy-Only Providers	5.69	5.84	5.10	NA	4.47	5.50
2000	CA	Delivery-Only Service	1.36	-1.28	-2.09	NA	0.92	-1.52
2000	DE	Delivery-Only Service	0.09	0.30	1.90	NA	0.00	0.64
2000	IL	Delivery-Only Service	0.00	1.38	2.65	NA	0.00	2.09
2000	MA	Delivery-Only Service	6.94	4.83	3.34	NA	13.14	4.55
2000	MD	Delivery-Only Service	0.66	2.42	0.00	NA	0.00	3.46
2000	ME	Delivery-Only Service	8.20	3.96	2.34	NA	5.22	5.18
2000	MI	Delivery-Only Service	0.00	1.53	0.85	NA	0.00	0.93
2000	MT	Delivery-Only Service	8.63	2.20	0.52	NA	0.00	0.81
2000	NH	Delivery-Only Service	11.51	6.58	20.10	NA	0.00	8.03
2000	NJ	Delivery-Only Service	4.72	4.38	9.71	NA	0.00	5.07
2000	NY	Delivery-Only Service	6.18	5.77	4.55	NA	6.98	5.71
2000	OH	Delivery-Only Service	0.00	0.00	0.19	NA	0.00	0.19
2000	PA	Delivery-Only Service	7.15	2.64	2.32	NA	5.62	2.99
2000	RI	Delivery-Only Service	0.00	2.04	9.77	NA	45.54	6.08
2000	WA	Delivery-Only Service	0.00	0.00	0.05	NA	0.00	0.05
2000	US	Delivery-Only Service	6.37	2.81	1.14	NA	6.95	2.47
1999	AK	Total Electric Industry	11.16	9.20	7.32	NA	14.16	9.78
1999	AL	Total Electric Industry	7.03	6.54	3.82	NA	7.02	5.54
1999	AR	Total Electric Industry	7.43	5.82	4.12	NA	6.26	5.68
1999	AZ	Total Electric Industry	8.53	7.51	5.04	NA	4.66	7.23
1999	CA	Total Electric Industry	10.64	9.44	6.27	NA	4.15	8.75
1999	CO	Total Electric Industry	7.38	5.61	4.38	NA	8.23	5.95
1999	CT	Total Electric Industry	11.46	9.69	7.42	NA	10.93	9.96
1999	DC	Total Electric Industry	8.00	7.47	4.59	NA	6.55	7.45
1999	DE	Total Electric Industry	9.17	7.39	4.71	NA	13.24	7.10
1999	FL	Total Electric Industry	7.73	6.22	4.77	NA	6.61	6.85
1999	GA	Total Electric Industry	7.56	6.67	4.15	NA	8.47	6.24
1999	HI	Total Electric Industry	14.30	12.74	9.70	NA	12.66	11.97
1999	IA	Total Electric Industry	8.35	6.45	3.89	NA	6.30	5.93
1999	ID	Total Electric Industry	5.26	4.20	2.63	NA	4.47	3.89
1999	IL	Total Electric Industry	8.83	7.38	4.99	NA	5.95	6.96
1999	IN	Total Electric Industry	6.96	6.05	3.89	NA	9.70	5.29
1999	KS	Total Electric Industry	7.64	6.25	4.47	NA	8.91	6.22

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1999	KY	Total Electric Industry	5.58	5.27	2.99	NA	4.55	4.17
1999	LA	Total Electric Industry	7.12	6.59	4.25	NA	6.20	5.81
1999	MA	Total Electric Industry	10.09	8.64	7.53	NA	13.73	8.99
1999	MD	Total Electric Industry	8.39	6.82	4.26	NA	8.77	7.04
1999	ME	Total Electric Industry	13.07	10.51	6.42	NA	24.29	9.77
1999	MI	Total Electric Industry	8.73	7.85	5.03	NA	10.17	7.12
1999	MN	Total Electric Industry	7.41	6.31	4.56	NA	7.49	5.83
1999	MO	Total Electric Industry	7.12	5.96	4.38	NA	6.26	6.06
1999	MS	Total Electric Industry	6.75	6.19	4.02	NA	7.93	5.65
1999	MT	Total Electric Industry	6.78	6.35	2.74	NA	6.34	4.77
1999	NC	Total Electric Industry	7.99	6.33	4.57	NA	6.74	6.44
1999	ND	Total Electric Industry	6.50	6.19	4.04	NA	4.23	5.49
1999	NE	Total Electric Industry	6.52	5.44	3.57	NA	6.47	5.31
1999	NH	Total Electric Industry	13.64	11.18	9.19	NA	12.78	11.60
1999	NJ	Total Electric Industry	11.40	9.73	7.67	NA	17.43	9.98
1999	NM	Total Electric Industry	8.62	7.52	4.24	NA	5.76	6.57
1999	NV	Total Electric Industry	7.13	6.66	4.77	NA	3.94	5.93
1999	NY	Total Electric Industry	13.23	10.11	4.74	NA	8.74	9.95
1999	OH	Total Electric Industry	8.68	7.67	4.33	NA	5.97	6.40
1999	OK	Total Electric Industry	6.60	5.58	3.60	NA	4.80	5.37
1999	OR	Total Electric Industry	5.75	4.94	3.48	NA	6.68	4.83
1999	PA	Total Electric Industry	8.86	6.53	4.71	NA	9.63	6.71
1999	RI	Total Electric Industry	10.12	7.73	7.31	NA	11.20	8.62
1999	SC	Total Electric Industry	7.55	6.30	3.72	NA	5.98	5.57
1999	SD	Total Electric Industry	7.42	6.70	4.55	NA	4.17	6.35
1999	TN	Total Electric Industry	6.34	6.29	4.19	NA	8.71	5.63
1999	TX	Total Electric Industry	7.55	6.52	3.97	NA	6.36	6.04
1999	UT	Total Electric Industry	6.27	5.29	3.36	NA	4.21	4.86
1999	VA	Total Electric Industry	7.48	5.55	3.84	NA	5.00	5.86
1999	VT	Total Electric Industry	12.17	10.67	7.35	NA	13.32	10.28
1999	WA	Total Electric Industry	5.10	4.86	2.65	NA	3.66	4.01
1999	WI	Total Electric Industry	7.31	5.88	3.89	NA	7.11	5.53
1999	WV	Total Electric Industry	6.27	5.53	3.80	NA	9.10	5.09
1999	WY	Total Electric Industry	6.34	5.28	3.34	NA	5.27	4.30
1999	US	Total Electric Industry	8.16	7.26	4.43	NA	6.35	6.64
1999	AK	Full-Service Providers	11.16	9.20	7.32	NA	14.16	9.78
1999	AL	Full-Service Providers	7.03	6.54	3.82	NA	7.02	5.54
1999	AR	Full-Service Providers	7.43	5.82	4.12	NA	6.26	5.68
1999	AZ	Full-Service Providers	8.53	7.51	5.04	NA	4.66	7.23
1999	CA	Full-Service Providers	10.71	10.05	7.16	NA	4.16	9.34
1999	CO	Full-Service Providers	7.38	5.61	4.38	NA	8.23	5.95
1999	CT	Full-Service Providers	11.46	9.69	7.42	NA	10.93	9.96
1999	DC	Full-Service Providers	8.00	7.47	4.59	NA	6.55	7.45
1999	DE	Full-Service Providers	9.17	7.39	4.73	NA	13.24	7.12
1999	FL	Full-Service Providers	7.73	6.22	4.77	NA	6.61	6.85
1999	GA	Full-Service Providers	7.56	6.67	4.15	NA	8.47	6.24
1999	HI	Full-Service Providers	14.30	12.74	9.70	NA	12.66	11.97
1999	IA	Full-Service Providers	8.35	6.45	3.89	NA	6.30	5.93
1999	ID	Full-Service Providers	5.26	4.20	2.74	NA	4.47	3.98
1999	IL	Full-Service Providers	8.83	7.39	5.02	NA	5.95	6.98
1999	IN	Full-Service Providers	6.96	6.05	3.89	NA	9.70	5.29
1999	KS	Full-Service Providers	7.64	6.25	4.47	NA	8.91	6.22
1999	KY	Full-Service Providers	5.58	5.27	2.99	NA	4.55	4.17
1999	LA	Full-Service Providers	7.12	6.59	4.25	NA	6.20	5.81
1999	MA	Full-Service Providers	10.09	8.90	7.75	NA	13.73	9.16
1999	MD	Full-Service Providers	8.39	6.82	4.26	NA	8.77	7.04
1999	ME	Full-Service Providers	13.07	10.51	6.42	NA	24.29	9.77
1999	MI	Full-Service Providers	8.73	7.86	5.05	NA	10.17	7.14
1999	MN	Full-Service Providers	7.41	6.31	4.56	NA	7.49	5.83
1999	MO	Full-Service Providers	7.12	5.97	4.38	NA	6.26	6.07
1999	MS	Full-Service Providers	6.75	6.19	4.02	NA	7.93	5.65
1999	MT	Full-Service Providers	6.78	6.35	2.84	NA	6.34	5.01
1999	NC	Full-Service Providers	7.99	6.33	4.57	NA	6.74	6.44
1999	ND	Full-Service Providers	6.50	6.19	4.04	NA	4.23	5.49
1999	NE	Full-Service Providers	6.52	5.44	3.57	NA	6.47	5.31
1999	NH	Full-Service Providers	13.84	11.39	9.21	NA	12.78	11.75
1999	NJ	Full-Service Providers	11.40	9.74	7.69	NA	17.43	9.99
1999	NM	Full-Service Providers	8.62	7.53	4.25	NA	5.76	6.58
1999	NV	Full-Service Providers	7.13	6.66	4.77	NA	3.94	5.93
1999	NY	Full-Service Providers	13.32	11.19	4.77	NA	8.74	10.40
1999	OH	Full-Service Providers	8.68	7.67	4.33	NA	5.96	6.40
1999	OK	Full-Service Providers	6.60	5.58	3.60	NA	4.80	5.37
1999	OR	Full-Service Providers	5.75	4.94	3.55	NA	6.68	4.87
1999	PA	Full-Service Providers	9.19	7.90	5.22	NA	9.63	7.67
1999	RI	Full-Service Providers	10.13	8.49	7.39	NA	11.20	9.02
1999	SC	Full-Service Providers	7.55	6.30	3.72	NA	5.98	5.57

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1999	SD	Full-Service Providers	7.42	6.70	4.55	NA	4.17	6.35
1999	TN	Full-Service Providers	6.34	6.29	4.19	NA	8.71	5.63
1999	TX	Full-Service Providers	7.55	6.52	3.97	NA	6.36	6.04
1999	UT	Full-Service Providers	6.27	5.29	3.36	NA	4.21	4.86
1999	VA	Full-Service Providers	7.48	5.55	3.84	NA	5.00	5.86
1999	VT	Full-Service Providers	12.17	10.67	7.35	NA	13.32	10.28
1999	WA	Full-Service Providers	5.10	4.86	2.70	NA	3.66	4.10
1999	WI	Full-Service Providers	7.31	5.88	3.89	NA	7.11	5.53
1999	WV	Full-Service Providers	6.27	5.53	3.80	NA	9.10	5.09
1999	WY	Full-Service Providers	6.34	5.28	3.34	NA	5.27	4.30
1999	US	Full-Service Providers	8.16	7.26	4.43	NA	6.35	6.66
1999	CA	Restructured Retail Service Providers	4.10	3.65	3.00	NA	3.28	3.28
1999	DE	Restructured Retail Service Providers	0.00	4.81	3.17	NA	0.00	3.30
1999	ID	Restructured Retail Service Providers	0.00	0.00	1.55	NA	0.00	1.55
1999	IL	Restructured Retail Service Providers	5.00	2.42	2.14	NA	0.00	2.23
1999	MA	Restructured Retail Service Providers	5.50	3.46	3.85	NA	0.00	3.60
1999	MI	Restructured Retail Service Providers	0.00	0.93	2.94	NA	0.00	2.80
1999	MO	Restructured Retail Service Providers	0.00	2.41	0.00	NA	0.00	2.41
1999	MT	Restructured Retail Service Providers	0.00	0.00	2.25	NA	0.00	2.25
1999	NH	Restructured Retail Service Providers	2.94	2.91	3.29	NA	0.00	2.93
1999	NJ	Restructured Retail Service Providers	4.74	3.66	3.91	NA	0.00	3.77
1999	NM	Restructured Retail Service Providers	2.69	2.69	2.71	NA	0.00	2.71
1999	NY	Restructured Retail Service Providers	3.82	3.85	3.46	NA	0.00	3.83
1999	OH	Restructured Retail Service Providers	0.00	0.00	0.00	NA	151.19	151.19
1999	OR	Restructured Retail Service Providers	0.00	0.00	1.76	NA	0.00	1.76
1999	PA	Restructured Retail Service Providers	4.15	3.89	3.86	NA	13.33	3.90
1999	RI	Restructured Retail Service Providers	3.26	3.37	3.18	NA	0.00	3.36
1999	WA	Restructured Retail Service Providers	0.00	0.00	2.23	NA	0.00	2.23
1999	US	Restructured Retail Service Providers	8.17	7.26	4.43	NA	6.45	5.81
1999	CA	Energy-Only Providers	4.10	3.65	3.00	NA	3.28	3.28
1999	DE	Energy-Only Providers	0.00	4.81	3.17	NA	0.00	3.30
1999	ID	Energy-Only Providers	0.00	0.00	1.55	NA	0.00	1.55
1999	IL	Energy-Only Providers	5.00	2.42	2.14	NA	0.00	2.23
1999	MA	Energy-Only Providers	5.50	3.46	3.85	NA	0.00	3.60
1999	MI	Energy-Only Providers	0.00	0.93	2.94	NA	0.00	2.80
1999	MO	Energy-Only Providers	0.00	2.41	0.00	NA	0.00	2.41
1999	MT	Energy-Only Providers	0.00	0.00	2.25	NA	0.00	2.25
1999	NH	Energy-Only Providers	2.94	2.91	3.29	NA	0.00	2.93
1999	NJ	Energy-Only Providers	4.74	3.66	3.91	NA	0.00	3.77
1999	NM	Energy-Only Providers	2.69	2.69	2.71	NA	0.00	2.71
1999	NY	Energy-Only Providers	3.82	3.85	3.46	NA	0.00	3.83
1999	OH	Energy-Only Providers	0.00	0.00	0.00	NA	151.19	151.19
1999	OR	Energy-Only Providers	0.00	0.00	1.76	NA	0.00	1.76
1999	PA	Energy-Only Providers	4.15	3.89	3.86	NA	13.33	3.90
1999	RI	Energy-Only Providers	3.26	3.37	3.18	NA	0.00	3.36
1999	WA	Energy-Only Providers	0.00	0.00	2.23	NA	0.00	2.23
1999	US	Energy-Only Providers	8.17	7.26	4.43	NA	6.45	5.81
1998	AK	Total Electric Industry	11.50	9.48	7.17	NA	13.68	9.97
1998	AL	Total Electric Industry	6.94	6.54	3.89	NA	7.26	5.56
1998	AR	Total Electric Industry	7.51	5.90	4.16	NA	5.98	5.78
1998	AZ	Total Electric Industry	8.68	7.76	5.12	NA	4.43	7.33
1998	CA	Total Electric Industry	10.60	9.66	6.59	NA	5.06	9.03
1998	CO	Total Electric Industry	7.45	5.67	4.34	NA	7.92	5.95
1998	CT	Total Electric Industry	11.95	10.01	7.70	NA	11.65	10.30
1998	DC	Total Electric Industry	8.00	7.43	4.38	NA	6.56	7.41
1998	DE	Total Electric Industry	9.13	7.07	4.65	NA	13.17	6.88
1998	FL	Total Electric Industry	7.89	6.38	4.81	NA	6.64	7.01
1998	GA	Total Electric Industry	7.67	7.01	4.23	NA	8.99	6.40
1998	HI	Total Electric Industry	13.82	12.31	9.41	NA	12.28	11.56
1998	IA	Total Electric Industry	8.38	6.67	3.99	NA	6.21	6.04
1998	ID	Total Electric Industry	5.28	4.34	2.77	NA	4.59	4.02
1998	IL	Total Electric Industry	9.85	7.77	5.11	NA	6.80	7.46
1998	IN	Total Electric Industry	7.01	6.08	3.95	NA	9.83	5.34
1998	KS	Total Electric Industry	7.65	6.34	4.46	NA	7.96	6.28
1998	KY	Total Electric Industry	5.61	5.30	2.91	NA	4.67	4.16
1998	LA	Total Electric Industry	7.07	6.56	4.15	NA	6.62	5.78
1998	MA	Total Electric Industry	10.60	9.35	8.18	NA	14.35	9.59
1998	MD	Total Electric Industry	8.44	6.82	4.14	NA	8.82	6.99
1998	ME	Total Electric Industry	13.02	10.33	6.61	NA	23.64	9.75
1998	MI	Total Electric Industry	8.67	7.81	5.03	NA	10.74	7.09
1998	MN	Total Electric Industry	7.33	6.28	4.45	NA	7.48	5.71
1998	MO	Total Electric Industry	7.08	5.99	4.43	NA	6.25	6.08
1998	MS	Total Electric Industry	7.03	6.62	4.22	NA	8.45	5.98
1998	MT	Total Electric Industry	6.50	5.87	3.19	NA	6.07	4.80
1998	NC	Total Electric Industry	8.01	6.35	4.63	NA	6.79	6.45
1998	ND	Total Electric Industry	6.49	6.20	4.30	NA	4.27	5.70

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1998	NE	Total Electric Industry	6.46	5.45	3.60	NA	6.27	5.30
1998	NH	Total Electric Industry	13.92	11.64	9.42	NA	13.76	11.93
1998	NJ	Total Electric Industry	11.39	10.09	7.94	NA	17.92	10.17
1998	NM	Total Electric Industry	8.85	7.80	4.47	NA	6.11	6.78
1998	NV	Total Electric Industry	7.00	6.50	4.57	NA	4.02	5.76
1998	NY	Total Electric Industry	13.66	11.63	4.95	NA	8.85	10.71
1998	OH	Total Electric Industry	8.70	7.67	4.30	NA	6.07	6.38
1998	OK	Total Electric Industry	6.57	5.66	3.65	NA	4.88	5.43
1998	OR	Total Electric Industry	5.82	5.00	3.50	NA	6.67	4.90
1998	PA	Total Electric Industry	9.93	8.26	5.63	NA	12.45	7.86
1998	RI	Total Electric Industry	10.91	9.26	7.61	NA	11.51	9.58
1998	SC	Total Electric Industry	7.50	6.24	3.69	NA	5.99	5.53
1998	SD	Total Electric Industry	7.27	6.62	4.44	NA	4.28	6.26
1998	TN	Total Electric Industry	6.32	6.28	4.17	NA	8.71	5.62
1998	TX	Total Electric Industry	7.65	6.57	3.94	NA	6.40	6.07
1998	UT	Total Electric Industry	6.84	5.71	3.45	NA	4.50	5.16
1998	VA	Total Electric Industry	7.51	5.61	3.82	NA	4.98	5.88
1998	VT	Total Electric Industry	11.61	10.12	7.27	NA	8.91	9.83
1998	WA	Total Electric Industry	5.03	4.81	2.64	NA	3.61	4.03
1998	WI	Total Electric Industry	7.17	5.87	3.86	NA	7.01	5.44
1998	WV	Total Electric Industry	6.29	5.56	3.78	NA	9.39	5.07
1998	WY	Total Electric Industry	6.28	5.25	3.38	NA	5.15	4.31
1998	US	Total Electric Industry	8.26	7.41	4.48	NA	6.63	6.74
1998	AK	Full-Service Providers	11.50	9.48	7.17	NA	13.68	9.97
1998	AL	Full-Service Providers	6.94	6.54	3.89	NA	7.26	5.56
1998	AR	Full-Service Providers	7.51	5.90	4.16	NA	5.98	5.78
1998	AZ	Full-Service Providers	8.68	7.76	5.12	NA	4.43	7.33
1998	CA	Full-Service Providers	10.60	9.66	6.59	NA	5.06	9.03
1998	CO	Full-Service Providers	7.45	5.67	4.34	NA	7.92	5.95
1998	CT	Full-Service Providers	11.95	10.01	7.70	NA	11.65	10.30
1998	DC	Full-Service Providers	8.00	7.43	4.38	NA	6.56	7.41
1998	DE	Full-Service Providers	9.13	7.07	4.65	NA	13.17	6.88
1998	FL	Full-Service Providers	7.89	6.38	4.81	NA	6.64	7.01
1998	GA	Full-Service Providers	7.67	7.01	4.23	NA	8.99	6.40
1998	HI	Full-Service Providers	13.82	12.31	9.41	NA	12.28	11.56
1998	IA	Full-Service Providers	8.38	6.67	3.99	NA	6.21	6.04
1998	ID	Full-Service Providers	5.28	4.34	2.77	NA	4.59	4.02
1998	IL	Full-Service Providers	9.85	7.77	5.11	NA	6.80	7.46
1998	IN	Full-Service Providers	7.01	6.08	3.95	NA	9.83	5.34
1998	KS	Full-Service Providers	7.65	6.34	4.46	NA	7.96	6.28
1998	KY	Full-Service Providers	5.61	5.30	2.91	NA	4.67	4.16
1998	LA	Full-Service Providers	7.07	6.56	4.15	NA	6.62	5.78
1998	MA	Full-Service Providers	10.60	9.35	8.18	NA	14.35	9.59
1998	MD	Full-Service Providers	8.44	6.82	4.14	NA	8.82	6.99
1998	ME	Full-Service Providers	13.02	10.33	6.61	NA	23.64	9.75
1998	MI	Full-Service Providers	8.67	7.81	5.03	NA	10.74	7.09
1998	MN	Full-Service Providers	7.33	6.28	4.45	NA	7.48	5.71
1998	MO	Full-Service Providers	7.08	5.99	4.43	NA	6.25	6.08
1998	MS	Full-Service Providers	7.03	6.62	4.22	NA	8.45	5.98
1998	MT	Full-Service Providers	6.50	5.87	3.19	NA	6.07	4.80
1998	NC	Full-Service Providers	8.01	6.35	4.63	NA	6.79	6.45
1998	ND	Full-Service Providers	6.49	6.20	4.30	NA	4.27	5.70
1998	NE	Full-Service Providers	6.46	5.45	3.60	NA	6.27	5.30
1998	NH	Full-Service Providers	13.92	11.64	9.42	NA	13.76	11.93
1998	NJ	Full-Service Providers	11.39	10.09	7.94	NA	17.92	10.17
1998	NM	Full-Service Providers	8.85	7.80	4.47	NA	6.11	6.78
1998	NV	Full-Service Providers	7.00	6.50	4.57	NA	4.02	5.76
1998	NY	Full-Service Providers	13.66	11.63	4.95	NA	8.85	10.71
1998	OH	Full-Service Providers	8.70	7.67	4.30	NA	6.07	6.38
1998	OK	Full-Service Providers	6.57	5.66	3.65	NA	4.88	5.43
1998	OR	Full-Service Providers	5.82	5.00	3.50	NA	6.67	4.90
1998	PA	Full-Service Providers	9.93	8.26	5.63	NA	12.45	7.86
1998	RI	Full-Service Providers	10.91	9.26	7.61	NA	11.51	9.58
1998	SC	Full-Service Providers	7.50	6.24	3.69	NA	5.99	5.53
1998	SD	Full-Service Providers	7.27	6.62	4.44	NA	4.28	6.26
1998	TN	Full-Service Providers	6.32	6.28	4.17	NA	8.71	5.62
1998	TX	Full-Service Providers	7.65	6.57	3.94	NA	6.40	6.07
1998	UT	Full-Service Providers	6.84	5.71	3.45	NA	4.50	5.16
1998	VA	Full-Service Providers	7.51	5.61	3.82	NA	4.98	5.88
1998	VT	Full-Service Providers	11.61	10.12	7.27	NA	8.91	9.83
1998	WA	Full-Service Providers	5.03	4.81	2.64	NA	3.61	4.03
1998	WI	Full-Service Providers	7.17	5.87	3.86	NA	7.01	5.44
1998	WV	Full-Service Providers	6.29	5.56	3.78	NA	9.39	5.07
1998	WY	Full-Service Providers	6.28	5.25	3.38	NA	5.15	4.31
1998	US	Full-Service Providers	8.26	7.41	4.48	NA	6.63	6.74
1998	CA	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	6.63

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1998	ID	Restructured Retail Service Providers	0.00	0.00	4.48	NA	0.00	4.48
1998	IL	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	5.34
1998	MO	Restructured Retail Service Providers	0.00	7.41	0.00	NA	0.00	7.41
1998	MT	Restructured Retail Service Providers	0.00	0.00	4.48	NA	0.00	4.48
1998	NH	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	7.10
1998	NY	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	7.38
1998	OR	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	4.90
1998	PA	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	6.76
1998	RI	Restructured Retail Service Providers	8.26	0.00	4.48	NA	0.00	4.56
1998	WA	Restructured Retail Service Providers	0.00	7.41	4.48	NA	0.00	4.49
1998	US	Restructured Retail Service Providers	8.26	7.41	4.48	NA	0.00	6.15
1998	CA	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	6.63
1998	ID	Energy-Only Providers	0.00	0.00	4.48	NA	0.00	4.48
1998	IL	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	5.34
1998	MO	Energy-Only Providers	0.00	7.41	0.00	NA	0.00	7.41
1998	MT	Energy-Only Providers	0.00	0.00	4.48	NA	0.00	4.48
1998	NH	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	7.10
1998	NY	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	7.38
1998	OR	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	4.90
1998	PA	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	6.76
1998	RI	Energy-Only Providers	8.26	0.00	4.48	NA	0.00	4.56
1998	WA	Energy-Only Providers	0.00	7.41	4.48	NA	0.00	4.49
1998	US	Energy-Only Providers	8.26	7.41	4.48	NA	0.00	6.15
1997	AK	Total Electric Industry	11.44	9.51	7.48	NA	14.75	10.07
1997	AL	Total Electric Industry	6.74	6.34	3.71	NA	6.47	5.33
1997	AR	Total Electric Industry	7.80	6.78	4.45	NA	6.61	6.15
1997	AZ	Total Electric Industry	8.82	7.83	5.05	NA	4.84	7.38
1997	CA	Total Electric Industry	11.50	9.98	6.95	NA	7.50	9.54
1997	CO	Total Electric Industry	7.42	5.77	4.28	NA	8.00	5.95
1997	CT	Total Electric Industry	12.13	10.28	7.76	NA	14.52	10.52
1997	DC	Total Electric Industry	7.87	7.43	4.42	NA	6.54	7.39
1997	DE	Total Electric Industry	9.22	7.19	4.82	NA	12.45	7.00
1997	FL	Total Electric Industry	8.08	6.62	5.04	NA	6.80	7.19
1997	GA	Total Electric Industry	7.74	7.11	4.13	NA	9.05	6.37
1997	HI	Total Electric Industry	14.80	13.26	10.32	NA	13.20	12.49
1997	IA	Total Electric Industry	8.21	6.61	3.95	NA	6.09	5.97
1997	ID	Total Electric Industry	5.15	4.17	2.60	NA	4.68	3.87
1997	IL	Total Electric Industry	10.43	7.93	5.29	NA	6.84	7.71
1997	IN	Total Electric Industry	6.94	6.04	3.91	NA	9.44	5.29
1997	KS	Total Electric Industry	7.71	6.47	4.51	NA	5.97	6.31
1997	KY	Total Electric Industry	5.58	5.29	2.80	NA	4.64	4.03
1997	LA	Total Electric Industry	7.39	6.99	4.39	NA	6.48	5.99
1997	MA	Total Electric Industry	11.59	10.29	8.78	NA	14.49	10.48
1997	MD	Total Electric Industry	8.33	6.86	4.21	NA	8.80	6.98
1997	ME	Total Electric Industry	12.75	10.39	6.36	NA	23.23	9.51
1997	MI	Total Electric Industry	8.57	7.84	4.97	NA	10.88	7.04
1997	MN	Total Electric Industry	7.23	6.23	4.33	NA	7.12	5.61
1997	MO	Total Electric Industry	7.09	6.00	4.46	NA	6.77	6.09
1997	MS	Total Electric Industry	7.02	6.69	4.12	NA	8.61	5.91
1997	MT	Total Electric Industry	6.40	5.80	3.66	NA	6.68	5.20
1997	NC	Total Electric Industry	8.03	6.43	4.71	NA	6.78	6.48
1997	ND	Total Electric Industry	6.27	6.15	4.38	NA	4.27	5.65
1997	NE	Total Electric Industry	6.38	5.46	3.61	NA	6.19	5.30
1997	NH	Total Electric Industry	13.67	11.35	9.06	NA	14.06	11.66
1997	NJ	Total Electric Industry	12.08	10.35	8.11	NA	18.35	10.54
1997	NM	Total Electric Industry	8.92	7.92	4.42	NA	6.17	6.80
1997	NV	Total Electric Industry	6.77	6.31	4.48	NA	3.83	5.60
1997	NY	Total Electric Industry	14.12	12.13	5.20	NA	9.17	11.13
1997	OH	Total Electric Industry	8.63	7.67	4.16	NA	6.12	6.25
1997	OK	Total Electric Industry	6.63	5.73	3.63	NA	4.76	5.42
1997	OR	Total Electric Industry	5.56	4.97	3.23	NA	6.44	4.61
1997	PA	Total Electric Industry	9.90	8.41	5.89	NA	11.71	7.99
1997	RI	Total Electric Industry	12.12	10.40	8.52	NA	12.35	10.70
1997	SC	Total Electric Industry	7.51	6.33	3.71	NA	6.04	5.50
1997	SD	Total Electric Industry	7.08	6.63	4.42	NA	4.72	6.22
1997	TN	Total Electric Industry	6.03	5.91	3.81	NA	7.88	5.31
1997	TX	Total Electric Industry	7.82	6.74	4.05	NA	6.45	6.17
1997	UT	Total Electric Industry	6.89	5.72	3.49	NA	4.34	5.17
1997	VA	Total Electric Industry	7.75	5.97	4.00	NA	5.14	6.14
1997	VT	Total Electric Industry	11.45	10.33	7.44	NA	9.56	9.89
1997	WA	Total Electric Industry	4.95	4.79	2.59	NA	4.06	4.04
1997	WI	Total Electric Industry	6.88	5.60	3.72	NA	6.77	5.22
1997	WV	Total Electric Industry	6.26	5.54	3.71	NA	8.71	5.02
1997	WY	Total Electric Industry	6.22	5.27	3.46	NA	5.84	4.33
1997	US	Total Electric Industry	8.43	7.59	4.53	NA	6.91	6.85
1997	AK	Full-Service Providers	11.44	9.51	7.48	NA	14.75	10.07

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1997	AL	Full-Service Providers	6.74	6.34	3.71	NA	6.47	5.33
1997	AR	Full-Service Providers	7.80	6.78	4.45	NA	6.61	6.15
1997	AZ	Full-Service Providers	8.82	7.83	5.05	NA	4.84	7.38
1997	CA	Full-Service Providers	11.50	9.98	6.95	NA	7.50	9.54
1997	CO	Full-Service Providers	7.42	5.77	4.28	NA	8.00	5.95
1997	CT	Full-Service Providers	12.13	10.28	7.76	NA	14.52	10.52
1997	DC	Full-Service Providers	7.87	7.43	4.42	NA	6.54	7.39
1997	DE	Full-Service Providers	9.22	7.19	4.82	NA	12.45	7.00
1997	FL	Full-Service Providers	8.08	6.62	5.04	NA	6.80	7.19
1997	GA	Full-Service Providers	7.74	7.11	4.13	NA	9.05	6.37
1997	HI	Full-Service Providers	14.80	13.26	10.32	NA	13.20	12.49
1997	IA	Full-Service Providers	8.21	6.61	3.95	NA	6.09	5.97
1997	ID	Full-Service Providers	5.15	4.17	2.60	NA	4.68	3.87
1997	IL	Full-Service Providers	10.43	7.93	5.29	NA	6.84	7.71
1997	IN	Full-Service Providers	6.94	6.04	3.91	NA	9.44	5.29
1997	KS	Full-Service Providers	7.71	6.47	4.51	NA	5.97	6.31
1997	KY	Full-Service Providers	5.58	5.29	2.80	NA	4.64	4.03
1997	LA	Full-Service Providers	7.39	6.99	4.39	NA	6.48	5.99
1997	MA	Full-Service Providers	11.59	10.29	8.78	NA	14.49	10.48
1997	MD	Full-Service Providers	8.33	6.86	4.21	NA	8.80	6.98
1997	ME	Full-Service Providers	12.75	10.39	6.36	NA	23.23	9.51
1997	MI	Full-Service Providers	8.57	7.84	4.97	NA	10.88	7.04
1997	MN	Full-Service Providers	7.23	6.23	4.33	NA	7.12	5.61
1997	MO	Full-Service Providers	7.09	6.00	4.46	NA	6.77	6.09
1997	MS	Full-Service Providers	7.02	6.69	4.12	NA	8.61	5.91
1997	MT	Full-Service Providers	6.40	5.80	3.66	NA	6.68	5.20
1997	NC	Full-Service Providers	8.03	6.43	4.71	NA	6.78	6.48
1997	ND	Full-Service Providers	6.27	6.15	4.38	NA	4.27	5.65
1997	NE	Full-Service Providers	6.38	5.46	3.61	NA	6.19	5.30
1997	NH	Full-Service Providers	13.67	11.35	9.06	NA	14.06	11.66
1997	NJ	Full-Service Providers	12.08	10.35	8.11	NA	18.35	10.54
1997	NM	Full-Service Providers	8.92	7.92	4.42	NA	6.17	6.80
1997	NV	Full-Service Providers	6.77	6.31	4.48	NA	3.83	5.60
1997	NY	Full-Service Providers	14.12	12.13	5.20	NA	9.17	11.13
1997	OH	Full-Service Providers	8.63	7.67	4.16	NA	6.12	6.25
1997	OK	Full-Service Providers	6.63	5.73	3.63	NA	4.76	5.42
1997	OR	Full-Service Providers	5.56	4.97	3.23	NA	6.44	4.61
1997	PA	Full-Service Providers	9.90	8.41	5.89	NA	11.71	7.99
1997	RI	Full-Service Providers	12.12	10.40	8.52	NA	12.35	10.70
1997	SC	Full-Service Providers	7.51	6.33	3.71	NA	6.04	5.50
1997	SD	Full-Service Providers	7.08	6.63	4.42	NA	4.72	6.22
1997	TN	Full-Service Providers	6.03	5.91	3.81	NA	7.88	5.31
1997	TX	Full-Service Providers	7.82	6.74	4.05	NA	6.45	6.17
1997	UT	Full-Service Providers	6.89	5.72	3.49	NA	4.34	5.17
1997	VA	Full-Service Providers	7.75	5.97	4.00	NA	5.14	6.14
1997	VT	Full-Service Providers	11.45	10.33	7.44	NA	9.56	9.89
1997	WA	Full-Service Providers	4.95	4.79	2.59	NA	4.06	4.04
1997	WI	Full-Service Providers	6.88	5.60	3.72	NA	6.77	5.22
1997	WV	Full-Service Providers	6.26	5.54	3.71	NA	8.71	5.02
1997	WY	Full-Service Providers	6.22	5.27	3.46	NA	5.84	4.33
1997	US	Full-Service Providers	8.43	7.59	4.53	NA	6.91	6.85
1997	CA	Restructured Retail Service Providers	0.00	7.59	0.00	NA	0.00	7.59
1997	ID	Restructured Retail Service Providers	0.00	0.00	4.53	NA	0.00	4.53
1997	IL	Restructured Retail Service Providers	8.43	7.59	4.53	NA	0.00	4.82
1997	MA	Restructured Retail Service Providers	8.43	0.00	4.53	NA	0.00	4.60
1997	MO	Restructured Retail Service Providers	0.00	7.59	0.00	NA	0.00	7.59
1997	NH	Restructured Retail Service Providers	8.43	7.59	4.53	NA	0.00	6.61
1997	NY	Restructured Retail Service Providers	8.43	7.59	4.53	NA	0.00	6.59
1997	OR	Restructured Retail Service Providers	0.00	7.59	4.53	NA	0.00	4.53
1997	PA	Restructured Retail Service Providers	8.43	7.59	4.53	NA	0.00	6.27
1997	RI	Restructured Retail Service Providers	0.00	7.59	4.53	NA	0.00	7.24
1997	WA	Restructured Retail Service Providers	0.00	7.59	4.53	NA	0.00	4.55
1997	US	Restructured Retail Service Providers	8.43	7.59	4.53	NA	0.00	4.71
1997	CA	Energy-Only Providers	0.00	7.59	0.00	NA	0.00	7.59
1997	ID	Energy-Only Providers	0.00	0.00	4.53	NA	0.00	4.53
1997	IL	Energy-Only Providers	8.43	7.59	4.53	NA	0.00	4.82
1997	MA	Energy-Only Providers	8.43	0.00	4.53	NA	0.00	4.60
1997	MO	Energy-Only Providers	0.00	7.59	0.00	NA	0.00	7.59
1997	NH	Energy-Only Providers	8.43	7.59	4.53	NA	0.00	6.61
1997	NY	Energy-Only Providers	8.43	7.59	4.53	NA	0.00	6.59
1997	OR	Energy-Only Providers	0.00	7.59	4.53	NA	0.00	4.53
1997	PA	Energy-Only Providers	8.43	7.59	4.53	NA	0.00	6.27
1997	RI	Energy-Only Providers	0.00	7.59	4.53	NA	0.00	7.24
1997	WA	Energy-Only Providers	0.00	7.59	4.53	NA	0.00	4.55
1997	US	Energy-Only Providers	8.43	7.59	4.53	NA	0.00	4.71
1996	AK	Total Electric Industry	11.36	9.58	8.47	NA	13.34	10.24

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1996	AL	Total Electric Industry	6.63	6.49	3.90	NA	6.82	5.35
1996	AR	Total Electric Industry	7.77	6.74	4.47	NA	6.58	6.15
1996	AZ	Total Electric Industry	8.95	7.97	5.19	NA	5.39	7.54
1996	CA	Total Electric Industry	11.33	9.83	6.97	NA	6.45	9.48
1996	CO	Total Electric Industry	7.49	5.93	4.35	NA	7.69	6.05
1996	CT	Total Electric Industry	12.05	10.29	7.86	NA	14.35	10.51
1996	DC	Total Electric Industry	7.77	7.40	4.36	NA	6.41	7.35
1996	DE	Total Electric Industry	8.97	7.00	4.68	NA	12.04	6.88
1996	FL	Total Electric Industry	7.99	6.63	5.11	NA	6.80	7.18
1996	GA	Total Electric Industry	7.66	7.17	4.29	NA	8.96	6.43
1996	HI	Total Electric Industry	14.26	12.99	10.03	NA	12.91	12.12
1996	IA	Total Electric Industry	8.16	6.53	3.91	NA	5.98	5.94
1996	ID	Total Electric Industry	5.28	4.26	2.68	NA	4.79	3.96
1996	IL	Total Electric Industry	10.34	7.97	5.24	NA	6.84	7.69
1996	IN	Total Electric Industry	6.77	5.94	3.93	NA	9.19	5.23
1996	KS	Total Electric Industry	7.86	6.67	4.70	NA	9.10	6.52
1996	KY	Total Electric Industry	5.55	5.19	2.92	NA	4.66	4.03
1996	LA	Total Electric Industry	7.55	7.12	4.32	NA	7.78	6.07
1996	MA	Total Electric Industry	11.25	9.94	8.43	NA	14.53	10.13
1996	MD	Total Electric Industry	8.26	6.83	4.15	NA	8.64	6.96
1996	ME	Total Electric Industry	12.58	10.35	6.26	NA	23.03	9.46
1996	MI	Total Electric Industry	8.47	7.94	5.08	NA	10.84	7.10
1996	MN	Total Electric Industry	7.13	6.14	4.26	NA	7.26	5.54
1996	MO	Total Electric Industry	7.08	6.04	4.44	NA	7.03	6.11
1996	MS	Total Electric Industry	7.04	7.09	4.41	NA	8.68	6.01
1996	MT	Total Electric Industry	6.22	5.51	3.30	NA	6.42	4.72
1996	NC	Total Electric Industry	8.05	6.39	4.79	NA	7.02	6.53
1996	ND	Total Electric Industry	6.19	6.07	4.44	NA	4.14	5.65
1996	NE	Total Electric Industry	6.29	5.49	3.68	NA	6.49	5.32
1996	NH	Total Electric Industry	13.44	11.32	9.16	NA	13.34	11.59
1996	NJ	Total Electric Industry	11.99	10.32	8.15	NA	18.29	10.50
1996	NM	Total Electric Industry	8.93	7.93	4.35	NA	5.93	6.76
1996	NV	Total Electric Industry	6.90	6.61	4.90	NA	4.56	5.95
1996	NY	Total Electric Industry	14.04	12.08	5.62	NA	9.13	11.13
1996	OH	Total Electric Industry	8.60	7.71	4.21	NA	6.28	6.30
1996	OK	Total Electric Industry	6.71	5.80	3.78	NA	5.08	5.56
1996	OR	Total Electric Industry	5.69	5.15	3.41	NA	5.74	4.77
1996	PA	Total Electric Industry	9.73	8.34	5.93	NA	11.29	7.96
1996	RI	Total Electric Industry	11.81	10.14	8.51	NA	11.82	10.48
1996	SC	Total Electric Industry	7.50	6.38	3.89	NA	6.03	5.67
1996	SD	Total Electric Industry	7.00	6.57	4.45	NA	4.59	6.18
1996	TN	Total Electric Industry	5.88	6.64	4.52	NA	7.96	5.24
1996	TX	Total Electric Industry	7.77	6.71	4.03	NA	6.44	6.16
1996	UT	Total Electric Industry	6.96	5.90	3.70	NA	4.45	5.28
1996	VA	Total Electric Industry	7.60	5.91	3.99	NA	5.26	6.09
1996	VT	Total Electric Industry	10.99	10.14	7.58	NA	12.96	9.74
1996	WA	Total Electric Industry	5.03	4.88	2.85	NA	3.84	4.19
1996	WI	Total Electric Industry	6.88	5.68	3.66	NA	6.79	5.25
1996	WV	Total Electric Industry	6.38	5.71	3.91	NA	9.27	5.21
1996	WY	Total Electric Industry	6.13	5.08	3.45	NA	7.22	4.31
1996	US	Total Electric Industry	8.36	7.64	4.60	NA	6.91	6.86
1996	AK	Full-Service Providers	11.36	9.58	8.47	NA	13.34	10.24
1996	AL	Full-Service Providers	6.63	6.49	3.90	NA	6.82	5.35
1996	AR	Full-Service Providers	7.77	6.74	4.47	NA	6.58	6.15
1996	AZ	Full-Service Providers	8.95	7.97	5.19	NA	5.39	7.54
1996	CA	Full-Service Providers	11.33	9.83	6.97	NA	6.45	9.48
1996	CO	Full-Service Providers	7.49	5.93	4.35	NA	7.69	6.05
1996	CT	Full-Service Providers	12.05	10.29	7.86	NA	14.35	10.51
1996	DC	Full-Service Providers	7.77	7.40	4.36	NA	6.41	7.35
1996	DE	Full-Service Providers	8.97	7.00	4.68	NA	12.04	6.88
1996	FL	Full-Service Providers	7.99	6.63	5.11	NA	6.80	7.18
1996	GA	Full-Service Providers	7.66	7.17	4.29	NA	8.96	6.43
1996	HI	Full-Service Providers	14.26	12.99	10.03	NA	12.91	12.12
1996	IA	Full-Service Providers	8.16	6.53	3.91	NA	5.98	5.94
1996	ID	Full-Service Providers	5.28	4.26	2.68	NA	4.79	3.96
1996	IL	Full-Service Providers	10.34	7.97	5.24	NA	6.84	7.69
1996	IN	Full-Service Providers	6.77	5.94	3.93	NA	9.19	5.23
1996	KS	Full-Service Providers	7.86	6.67	4.70	NA	9.10	6.52
1996	KY	Full-Service Providers	5.55	5.19	2.92	NA	4.66	4.03
1996	LA	Full-Service Providers	7.55	7.12	4.32	NA	7.78	6.07
1996	MA	Full-Service Providers	11.25	9.94	8.43	NA	14.53	10.13
1996	MD	Full-Service Providers	8.26	6.83	4.15	NA	8.64	6.96
1996	ME	Full-Service Providers	12.58	10.35	6.26	NA	23.03	9.46
1996	MI	Full-Service Providers	8.47	7.94	5.08	NA	10.84	7.10
1996	MN	Full-Service Providers	7.13	6.14	4.26	NA	7.26	5.54
1996	MO	Full-Service Providers	7.08	6.04	4.44	NA	7.03	6.11

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1996	MS	Full-Service Providers	7.04	7.09	4.41	NA	8.68	6.01
1996	MT	Full-Service Providers	6.22	5.51	3.30	NA	6.42	4.72
1996	NC	Full-Service Providers	8.05	6.39	4.79	NA	7.02	6.53
1996	ND	Full-Service Providers	6.19	6.07	4.44	NA	4.14	5.65
1996	NE	Full-Service Providers	6.29	5.49	3.68	NA	6.49	5.32
1996	NH	Full-Service Providers	13.44	11.32	9.16	NA	13.34	11.59
1996	NJ	Full-Service Providers	11.99	10.32	8.15	NA	18.29	10.50
1996	NM	Full-Service Providers	8.93	7.93	4.35	NA	5.93	6.76
1996	NV	Full-Service Providers	6.90	6.61	4.90	NA	4.56	5.95
1996	NY	Full-Service Providers	14.04	12.08	5.62	NA	9.13	11.13
1996	OH	Full-Service Providers	8.60	7.71	4.21	NA	6.28	6.30
1996	OK	Full-Service Providers	6.71	5.80	3.78	NA	5.08	5.56
1996	OR	Full-Service Providers	5.69	5.15	3.41	NA	5.74	4.77
1996	PA	Full-Service Providers	9.73	8.34	5.93	NA	11.29	7.96
1996	RI	Full-Service Providers	11.81	10.14	8.51	NA	11.82	10.48
1996	SC	Full-Service Providers	7.50	6.38	3.89	NA	6.03	5.67
1996	SD	Full-Service Providers	7.00	6.57	4.45	NA	4.59	6.18
1996	TN	Full-Service Providers	5.88	6.64	4.52	NA	7.96	5.24
1996	TX	Full-Service Providers	7.77	6.71	4.03	NA	6.44	6.16
1996	UT	Full-Service Providers	6.96	5.90	3.70	NA	4.45	5.28
1996	VA	Full-Service Providers	7.60	5.91	3.99	NA	5.26	6.09
1996	VT	Full-Service Providers	10.99	10.14	7.58	NA	12.96	9.74
1996	WA	Full-Service Providers	5.03	4.88	2.85	NA	3.84	4.19
1996	WI	Full-Service Providers	6.88	5.68	3.66	NA	6.79	5.25
1996	WV	Full-Service Providers	6.38	5.71	3.91	NA	9.27	5.21
1996	WY	Full-Service Providers	6.13	5.08	3.45	NA	7.22	4.31
1996	US	Full-Service Providers	8.36	7.64	4.60	NA	6.91	6.86
1996	US	Restructured Retail Service Providers	9.43	9.75	4.61	NA	0.00	4.64
1996	US	Energy-Only Providers	9.43	9.75	4.61	NA	0.00	4.64
1995	AK	Total Electric Industry	11.24	9.54	8.38	NA	13.26	10.17
1995	AL	Total Electric Industry	6.71	6.73	4.05	NA	7.35	5.47
1995	AR	Total Electric Industry	7.98	6.83	4.51	NA	6.65	6.27
1995	AZ	Total Electric Industry	9.09	8.06	5.26	NA	5.15	7.62
1995	CA	Total Electric Industry	11.61	10.49	7.37	NA	6.73	9.91
1995	CO	Total Electric Industry	7.42	6.07	4.52	NA	7.87	6.12
1995	CT	Total Electric Industry	11.95	10.33	7.94	NA	14.38	10.50
1995	DC	Total Electric Industry	7.62	7.15	4.36	NA	6.33	7.12
1995	DE	Total Electric Industry	9.09	7.08	4.72	NA	11.95	6.91
1995	FL	Total Electric Industry	7.82	6.39	5.16	NA	6.69	7.01
1995	GA	Total Electric Industry	7.85	7.32	4.52	NA	8.60	6.62
1995	HI	Total Electric Industry	13.32	12.16	9.27	NA	12.11	11.29
1995	IA	Total Electric Industry	8.24	6.44	3.94	NA	6.13	6.03
1995	ID	Total Electric Industry	5.33	4.48	2.81	NA	5.13	4.09
1995	IL	Total Electric Industry	10.37	7.88	5.27	NA	6.80	7.69
1995	IN	Total Electric Industry	6.74	5.92	3.94	NA	9.12	5.24
1995	KS	Total Electric Industry	7.92	6.68	4.82	NA	9.21	6.56
1995	KY	Total Electric Industry	5.62	5.25	2.93	NA	4.68	4.07
1995	LA	Total Electric Industry	7.23	6.77	3.97	NA	6.97	5.75
1995	MA	Total Electric Industry	11.26	9.93	8.41	NA	14.31	10.12
1995	MD	Total Electric Industry	8.43	6.91	4.23	NA	8.79	7.06
1995	ME	Total Electric Industry	12.51	10.28	6.65	NA	15.67	9.49
1995	MI	Total Electric Industry	8.34	7.86	5.13	NA	10.71	7.05
1995	MN	Total Electric Industry	7.17	6.19	4.30	NA	7.21	5.58
1995	MO	Total Electric Industry	7.25	6.18	4.53	NA	7.05	6.25
1995	MS	Total Electric Industry	6.99	7.01	4.44	NA	8.56	5.98
1995	MT	Total Electric Industry	6.09	5.31	3.44	NA	6.21	4.65
1995	NC	Total Electric Industry	8.12	6.47	4.85	NA	7.21	6.58
1995	ND	Total Electric Industry	6.23	6.20	4.50	NA	4.21	5.71
1995	NE	Total Electric Industry	6.37	5.56	3.84	NA	5.86	5.40
1995	NH	Total Electric Industry	13.50	11.38	9.56	NA	12.32	11.72
1995	NJ	Total Electric Industry	11.98	10.23	8.15	NA	18.07	10.44
1995	NM	Total Electric Industry	8.93	7.91	4.40	NA	5.95	6.77
1995	NV	Total Electric Industry	7.11	6.75	5.05	NA	5.00	6.10
1995	NY	Total Electric Industry	13.90	11.92	5.79	NA	9.07	11.06
1995	OH	Total Electric Industry	8.60	7.68	4.17	NA	6.26	6.24
1995	OK	Total Electric Industry	6.82	5.78	3.75	NA	4.93	5.57
1995	OR	Total Electric Industry	5.49	5.06	3.47	NA	5.49	4.67
1995	PA	Total Electric Industry	9.72	8.33	5.92	NA	11.29	7.93
1995	RI	Total Electric Industry	11.47	10.08	8.87	NA	11.44	10.38
1995	SC	Total Electric Industry	7.53	6.35	4.00	NA	5.87	5.69
1995	SD	Total Electric Industry	7.08	6.55	4.43	NA	4.58	6.20
1995	TN	Total Electric Industry	5.91	6.65	4.50	NA	7.56	5.21
1995	TX	Total Electric Industry	7.71	6.64	3.98	NA	6.44	6.10
1995	UT	Total Electric Industry	6.94	5.92	3.72	NA	4.46	5.30
1995	VA	Total Electric Industry	7.84	6.07	4.16	NA	5.21	6.26
1995	VT	Total Electric Industry	10.52	9.80	7.56	NA	14.03	9.46

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1995	WA	Total Electric Industry	4.97	4.82	2.96	NA	3.75	4.10
1995	WI	Total Electric Industry	6.97	5.78	3.78	NA	6.85	5.36
1995	WV	Total Electric Industry	6.50	5.86	4.03	NA	9.36	5.34
1995	WY	Total Electric Industry	6.09	5.11	3.50	NA	7.16	4.32
1995	US	Total Electric Industry	8.40	7.69	4.66	NA	6.88	6.89
1995	AK	Full-Service Providers	11.24	9.54	8.38	NA	13.26	10.17
1995	AL	Full-Service Providers	6.71	6.73	4.05	NA	7.35	5.47
1995	AR	Full-Service Providers	7.98	6.83	4.51	NA	6.65	6.27
1995	AZ	Full-Service Providers	9.09	8.06	5.26	NA	5.15	7.62
1995	CA	Full-Service Providers	11.61	10.49	7.37	NA	6.73	9.91
1995	CO	Full-Service Providers	7.42	6.07	4.52	NA	7.87	6.12
1995	CT	Full-Service Providers	11.95	10.33	7.94	NA	14.38	10.50
1995	DC	Full-Service Providers	7.62	7.15	4.36	NA	6.33	7.12
1995	DE	Full-Service Providers	9.09	7.08	4.72	NA	11.95	6.91
1995	FL	Full-Service Providers	7.82	6.39	5.16	NA	6.69	7.01
1995	GA	Full-Service Providers	7.85	7.32	4.52	NA	8.60	6.62
1995	HI	Full-Service Providers	13.32	12.16	9.27	NA	12.11	11.29
1995	IA	Full-Service Providers	8.24	6.44	3.94	NA	6.13	6.03
1995	ID	Full-Service Providers	5.33	4.48	2.81	NA	5.13	4.09
1995	IL	Full-Service Providers	10.37	7.88	5.27	NA	6.80	7.69
1995	IN	Full-Service Providers	6.74	5.92	3.94	NA	9.12	5.24
1995	KS	Full-Service Providers	7.92	6.68	4.82	NA	9.21	6.56
1995	KY	Full-Service Providers	5.62	5.25	2.93	NA	4.68	4.07
1995	LA	Full-Service Providers	7.23	6.77	3.97	NA	6.97	5.75
1995	MA	Full-Service Providers	11.26	9.93	8.41	NA	14.31	10.12
1995	MD	Full-Service Providers	8.43	6.91	4.23	NA	8.79	7.06
1995	ME	Full-Service Providers	12.51	10.28	6.65	NA	15.67	9.49
1995	MI	Full-Service Providers	8.34	7.86	5.13	NA	10.71	7.05
1995	MN	Full-Service Providers	7.17	6.19	4.30	NA	7.21	5.58
1995	MO	Full-Service Providers	7.25	6.18	4.53	NA	7.05	6.25
1995	MS	Full-Service Providers	6.99	7.01	4.44	NA	8.56	5.98
1995	MT	Full-Service Providers	6.09	5.31	3.44	NA	6.21	4.65
1995	NC	Full-Service Providers	8.12	6.47	4.85	NA	7.21	6.58
1995	ND	Full-Service Providers	6.23	6.20	4.50	NA	4.21	5.71
1995	NE	Full-Service Providers	6.37	5.56	3.84	NA	5.86	5.40
1995	NH	Full-Service Providers	13.50	11.38	9.56	NA	12.32	11.72
1995	NJ	Full-Service Providers	11.98	10.23	8.15	NA	18.07	10.44
1995	NM	Full-Service Providers	8.93	7.91	4.40	NA	5.95	6.77
1995	NV	Full-Service Providers	7.11	6.75	5.05	NA	5.00	6.10
1995	NY	Full-Service Providers	13.90	11.92	5.79	NA	9.07	11.06
1995	OH	Full-Service Providers	8.60	7.68	4.17	NA	6.26	6.24
1995	OK	Full-Service Providers	6.82	5.78	3.75	NA	4.93	5.57
1995	OR	Full-Service Providers	5.49	5.06	3.47	NA	5.49	4.67
1995	PA	Full-Service Providers	9.72	8.33	5.92	NA	11.29	7.93
1995	RI	Full-Service Providers	11.47	10.08	8.87	NA	11.44	10.38
1995	SC	Full-Service Providers	7.53	6.35	4.00	NA	5.87	5.69
1995	SD	Full-Service Providers	7.08	6.55	4.43	NA	4.58	6.20
1995	TN	Full-Service Providers	5.91	6.65	4.50	NA	7.56	5.21
1995	TX	Full-Service Providers	7.71	6.64	3.98	NA	6.44	6.10
1995	UT	Full-Service Providers	6.94	5.92	3.72	NA	4.46	5.30
1995	VA	Full-Service Providers	7.84	6.07	4.16	NA	5.21	6.26
1995	VT	Full-Service Providers	10.52	9.80	7.56	NA	14.03	9.46
1995	WA	Full-Service Providers	4.97	4.82	2.96	NA	3.75	4.10
1995	WI	Full-Service Providers	6.97	5.78	3.78	NA	6.85	5.36
1995	WV	Full-Service Providers	6.50	5.86	4.03	NA	9.36	5.34
1995	WY	Full-Service Providers	6.09	5.11	3.50	NA	7.16	4.32
1995	US	Full-Service Providers	8.40	7.69	4.66	NA	6.88	6.89
1994	AK	Total Electric Industry	11.32	9.66	8.37	NA	12.57	10.25
1994	AL	Total Electric Industry	6.69	6.76	4.12	NA	6.28	5.48
1994	AR	Total Electric Industry	8.07	6.88	4.60	NA	6.46	6.35
1994	AZ	Total Electric Industry	9.30	8.32	5.63	NA	5.47	7.93
1994	CA	Total Electric Industry	11.43	10.90	7.09	NA	5.00	9.78
1994	CO	Total Electric Industry	7.36	6.00	4.58	NA	7.43	6.07
1994	CT	Total Electric Industry	11.47	9.99	7.90	NA	14.00	10.18
1994	DC	Total Electric Industry	7.47	7.15	4.63	NA	6.72	7.12
1994	DE	Total Electric Industry	8.91	7.00	4.62	NA	11.17	6.78
1994	FL	Total Electric Industry	7.78	6.35	5.13	NA	6.72	6.96
1994	GA	Total Electric Industry	7.72	7.33	4.57	NA	8.71	6.57
1994	HI	Total Electric Industry	12.45	11.67	8.82	NA	11.21	10.68
1994	IA	Total Electric Industry	8.09	6.32	3.88	NA	5.96	5.92
1994	ID	Total Electric Industry	5.09	4.37	2.82	NA	4.64	4.00
1994	IL	Total Electric Industry	9.98	7.68	5.18	NA	6.47	7.41
1994	IN	Total Electric Industry	6.78	5.91	3.97	NA	9.02	5.25
1994	KS	Total Electric Industry	7.89	6.66	4.93	NA	10.94	6.61
1994	KY	Total Electric Industry	5.77	5.29	3.24	NA	4.67	4.26
1994	LA	Total Electric Industry	7.61	7.20	4.22	NA	6.81	6.05

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1994	MA	Total Electric Industry	11.09	9.75	8.46	NA	12.60	10.00
1994	MD	Total Electric Industry	8.39	7.19	5.30	NA	8.58	7.03
1994	ME	Total Electric Industry	12.32	10.16	7.18	NA	14.63	9.63
1994	MI	Total Electric Industry	8.28	7.93	5.25	NA	10.54	7.09
1994	MN	Total Electric Industry	7.16	6.25	4.41	NA	7.21	5.63
1994	MO	Total Electric Industry	7.29	6.20	4.62	NA	7.07	6.28
1994	MS	Total Electric Industry	7.06	7.22	4.48	NA	8.60	6.05
1994	MT	Total Electric Industry	5.96	5.17	3.30	NA	4.49	4.51
1994	NC	Total Electric Industry	8.17	6.56	4.93	NA	6.91	6.62
1994	ND	Total Electric Industry	6.37	6.45	4.71	NA	3.82	5.77
1994	NE	Total Electric Industry	6.31	5.58	3.99	NA	6.53	5.49
1994	NH	Total Electric Industry	12.91	10.91	9.32	NA	13.36	11.32
1994	NJ	Total Electric Industry	11.54	9.84	7.94	NA	17.70	10.06
1994	NM	Total Electric Industry	9.14	8.30	4.70	NA	6.05	7.11
1994	NV	Total Electric Industry	7.16	6.97	5.45	NA	5.19	6.37
1994	NY	Total Electric Industry	13.55	11.67	6.77	NA	9.31	10.92
1994	OH	Total Electric Industry	8.56	7.72	4.14	NA	6.36	6.19
1994	OK	Total Electric Industry	7.03	6.09	4.07	NA	5.29	5.84
1994	OR	Total Electric Industry	5.33	4.97	3.47	NA	5.27	4.60
1994	PA	Total Electric Industry	9.55	8.28	5.93	NA	11.43	7.87
1994	RI	Total Electric Industry	11.26	9.95	8.86	NA	11.23	10.24
1994	SC	Total Electric Industry	7.49	6.37	4.03	NA	5.84	5.67
1994	SD	Total Electric Industry	7.06	6.60	4.51	NA	4.62	6.19
1994	TN	Total Electric Industry	5.88	6.63	4.52	NA	7.74	5.23
1994	TX	Total Electric Industry	8.08	7.04	4.27	NA	6.79	6.42
1994	UT	Total Electric Industry	6.91	5.87	3.83	NA	4.50	5.36
1994	VA	Total Electric Industry	7.75	5.84	4.16	NA	5.63	6.20
1994	VT	Total Electric Industry	9.96	9.42	7.50	NA	14.88	9.13
1994	WA	Total Electric Industry	4.97	4.72	2.79	NA	3.83	4.02
1994	WI	Total Electric Industry	7.08	5.87	3.89	NA	7.00	5.46
1994	WV	Total Electric Industry	6.36	5.83	3.98	NA	9.44	5.25
1994	WY	Total Electric Industry	6.04	5.02	3.51	NA	6.45	4.26
1994	US	Total Electric Industry	8.38	7.73	4.77	NA	6.84	6.91
1994	AK	Full-Service Providers	11.32	9.66	8.37	NA	12.57	10.25
1994	AL	Full-Service Providers	6.69	6.76	4.12	NA	6.28	5.48
1994	AR	Full-Service Providers	8.07	6.88	4.60	NA	6.46	6.35
1994	AZ	Full-Service Providers	9.30	8.32	5.63	NA	5.47	7.93
1994	CA	Full-Service Providers	11.43	10.90	7.09	NA	5.00	9.78
1994	CO	Full-Service Providers	7.36	6.00	4.58	NA	7.43	6.07
1994	CT	Full-Service Providers	11.47	9.99	7.90	NA	14.00	10.18
1994	DC	Full-Service Providers	7.47	7.15	4.63	NA	6.72	7.12
1994	DE	Full-Service Providers	8.91	7.00	4.62	NA	11.17	6.78
1994	FL	Full-Service Providers	7.78	6.35	5.13	NA	6.72	6.96
1994	GA	Full-Service Providers	7.72	7.33	4.57	NA	8.71	6.57
1994	HI	Full-Service Providers	12.45	11.67	8.82	NA	11.21	10.68
1994	IA	Full-Service Providers	8.09	6.32	3.88	NA	5.96	5.92
1994	ID	Full-Service Providers	5.09	4.37	2.82	NA	4.64	4.00
1994	IL	Full-Service Providers	9.98	7.68	5.18	NA	6.47	7.41
1994	IN	Full-Service Providers	6.78	5.91	3.97	NA	9.02	5.25
1994	KS	Full-Service Providers	7.89	6.66	4.93	NA	10.94	6.61
1994	KY	Full-Service Providers	5.77	5.29	3.24	NA	4.67	4.26
1994	LA	Full-Service Providers	7.61	7.20	4.22	NA	6.81	6.05
1994	MA	Full-Service Providers	11.09	9.75	8.46	NA	12.60	10.00
1994	MD	Full-Service Providers	8.39	7.19	5.30	NA	8.58	7.03
1994	ME	Full-Service Providers	12.32	10.16	7.18	NA	14.63	9.63
1994	MI	Full-Service Providers	8.28	7.93	5.25	NA	10.54	7.09
1994	MN	Full-Service Providers	7.16	6.25	4.41	NA	7.21	5.63
1994	MO	Full-Service Providers	7.29	6.20	4.62	NA	7.07	6.28
1994	MS	Full-Service Providers	7.06	7.22	4.48	NA	8.60	6.05
1994	MT	Full-Service Providers	5.96	5.17	3.30	NA	4.49	4.51
1994	NC	Full-Service Providers	8.17	6.56	4.93	NA	6.91	6.62
1994	ND	Full-Service Providers	6.37	6.45	4.71	NA	3.82	5.77
1994	NE	Full-Service Providers	6.31	5.58	3.99	NA	6.53	5.49
1994	NH	Full-Service Providers	12.91	10.91	9.32	NA	13.36	11.32
1994	NJ	Full-Service Providers	11.54	9.84	7.94	NA	17.70	10.06
1994	NM	Full-Service Providers	9.14	8.30	4.70	NA	6.05	7.11
1994	NV	Full-Service Providers	7.16	6.97	5.45	NA	5.19	6.37
1994	NY	Full-Service Providers	13.55	11.67	6.77	NA	9.31	10.92
1994	OH	Full-Service Providers	8.56	7.72	4.14	NA	6.36	6.19
1994	OK	Full-Service Providers	7.03	6.09	4.07	NA	5.29	5.84
1994	OR	Full-Service Providers	5.33	4.97	3.47	NA	5.27	4.60
1994	PA	Full-Service Providers	9.55	8.28	5.93	NA	11.43	7.87
1994	RI	Full-Service Providers	11.26	9.95	8.86	NA	11.23	10.24
1994	SC	Full-Service Providers	7.49	6.37	4.03	NA	5.84	5.67
1994	SD	Full-Service Providers	7.06	6.60	4.51	NA	4.62	6.19
1994	TN	Full-Service Providers	5.88	6.63	4.52	NA	7.74	5.23

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1994	TX	Full-Service Providers	8.08	7.04	4.27	NA	6.79	6.42
1994	UT	Full-Service Providers	6.91	5.87	3.83	NA	4.50	5.36
1994	VA	Full-Service Providers	7.75	5.84	4.16	NA	5.63	6.20
1994	VT	Full-Service Providers	9.96	9.42	7.50	NA	14.88	9.13
1994	WA	Full-Service Providers	4.97	4.72	2.79	NA	3.83	4.02
1994	WI	Full-Service Providers	7.08	5.87	3.89	NA	7.00	5.46
1994	WV	Full-Service Providers	6.36	5.83	3.98	NA	9.44	5.25
1994	WY	Full-Service Providers	6.04	5.02	3.51	NA	6.45	4.26
1994	US	Full-Service Providers	8.38	7.73	4.77	NA	6.84	6.91
1993	AK	Total Electric Industry	11.15	9.55	8.19	NA	12.77	10.12
1993	AL	Total Electric Industry	6.82	6.93	4.34	NA	5.89	5.67
1993	AR	Total Electric Industry	8.27	7.04	4.85	NA	6.93	6.62
1993	AZ	Total Electric Industry	9.65	8.70	5.80	NA	5.64	8.21
1993	CA	Total Electric Industry	11.30	10.46	7.33	NA	5.05	9.69
1993	CO	Total Electric Industry	7.24	5.82	4.52	NA	7.72	6.05
1993	CT	Total Electric Industry	11.39	10.04	8.29	NA	14.08	10.26
1993	DC	Total Electric Industry	7.18	7.15	5.91	NA	6.47	6.78
1993	DE	Total Electric Industry	9.01	7.25	4.88	NA	11.78	6.98
1993	FL	Total Electric Industry	7.99	6.69	5.26	NA	6.96	7.20
1993	GA	Total Electric Industry	7.79	7.44	4.74	NA	8.50	6.71
1993	HI	Total Electric Industry	12.28	11.68	8.95	NA	11.26	10.66
1993	IA	Total Electric Industry	8.02	6.36	3.92	NA	5.85	5.97
1993	ID	Total Electric Industry	4.99	4.42	2.81	NA	4.99	4.00
1993	IL	Total Electric Industry	10.28	8.00	5.45	NA	7.03	7.75
1993	IN	Total Electric Industry	6.67	5.83	3.88	NA	9.00	5.17
1993	KS	Total Electric Industry	7.86	6.70	4.94	NA	8.91	6.60
1993	KY	Total Electric Industry	5.70	5.29	3.30	NA	4.68	4.32
1993	LA	Total Electric Industry	7.76	7.38	4.44	NA	7.11	6.26
1993	MA	Total Electric Industry	11.00	9.67	8.66	NA	12.21	9.98
1993	MD	Total Electric Industry	8.21	7.17	5.45	NA	8.28	6.96
1993	ME	Total Electric Industry	11.43	9.45	6.96	NA	13.22	9.10
1993	MI	Total Electric Industry	8.16	8.02	5.34	NA	9.15	7.14
1993	MN	Total Electric Industry	7.09	6.19	4.40	NA	7.17	5.60
1993	MO	Total Electric Industry	7.26	6.26	4.71	NA	7.10	6.33
1993	MS	Total Electric Industry	7.12	7.45	4.59	NA	8.70	6.18
1993	MT	Total Electric Industry	5.77	5.10	3.10	NA	4.51	4.36
1993	NC	Total Electric Industry	8.18	6.59	4.90	NA	7.07	6.63
1993	ND	Total Electric Industry	6.31	6.48	4.85	NA	3.99	5.83
1993	NE	Total Electric Industry	6.25	5.68	4.04	NA	6.99	5.54
1993	NH	Total Electric Industry	12.31	11.01	9.04	NA	13.30	10.85
1993	NJ	Total Electric Industry	11.41	9.73	8.09	NA	17.54	9.99
1993	NM	Total Electric Industry	9.18	8.37	4.86	NA	6.13	7.23
1993	NV	Total Electric Industry	6.51	6.51	5.04	NA	4.87	5.87
1993	NY	Total Electric Industry	13.17	11.66	6.66	NA	9.14	10.72
1993	OH	Total Electric Industry	8.36	7.59	4.25	NA	6.23	6.22
1993	OK	Total Electric Industry	7.14	6.21	4.14	NA	5.87	5.96
1993	OR	Total Electric Industry	5.02	4.93	3.33	NA	5.33	4.43
1993	PA	Total Electric Industry	9.55	8.29	6.04	NA	11.56	7.92
1993	RI	Total Electric Industry	11.38	10.17	9.03	NA	11.14	10.40
1993	SC	Total Electric Industry	7.33	6.22	4.06	NA	5.67	5.64
1993	SD	Total Electric Industry	7.04	6.75	4.60	NA	4.55	6.20
1993	TN	Total Electric Industry	5.76	6.68	4.62	NA	7.91	5.22
1993	TX	Total Electric Industry	8.00	6.94	4.32	NA	6.68	6.39
1993	UT	Total Electric Industry	6.85	5.96	3.78	NA	4.49	5.33
1993	VA	Total Electric Industry	7.57	6.14	4.19	NA	5.56	6.23
1993	VT	Total Electric Industry	9.84	9.31	7.50	NA	13.50	9.04
1993	WA	Total Electric Industry	4.60	4.50	2.40	NA	3.53	3.65
1993	WI	Total Electric Industry	7.03	5.95	3.98	NA	6.98	5.52
1993	WV	Total Electric Industry	6.30	5.78	3.96	NA	9.22	5.22
1993	WY	Total Electric Industry	5.96	5.04	3.50	NA	6.62	4.25
1993	US	Total Electric Industry	8.32	7.74	4.85	NA	6.88	6.93
1993	AK	Full-Service Providers	11.15	9.55	8.19	NA	12.77	10.12
1993	AL	Full-Service Providers	6.82	6.93	4.34	NA	5.89	5.67
1993	AR	Full-Service Providers	8.27	7.04	4.85	NA	6.93	6.62
1993	AZ	Full-Service Providers	9.65	8.70	5.80	NA	5.64	8.21
1993	CA	Full-Service Providers	11.30	10.46	7.33	NA	5.05	9.69
1993	CO	Full-Service Providers	7.24	5.82	4.52	NA	7.72	6.05
1993	CT	Full-Service Providers	11.39	10.04	8.29	NA	14.08	10.26
1993	DC	Full-Service Providers	7.18	7.15	5.91	NA	6.47	6.78
1993	DE	Full-Service Providers	9.01	7.25	4.88	NA	11.78	6.98
1993	FL	Full-Service Providers	7.99	6.69	5.26	NA	6.96	7.20
1993	GA	Full-Service Providers	7.79	7.44	4.74	NA	8.50	6.71
1993	HI	Full-Service Providers	12.28	11.68	8.95	NA	11.26	10.66
1993	IA	Full-Service Providers	8.02	6.36	3.92	NA	5.85	5.97
1993	ID	Full-Service Providers	4.99	4.42	2.81	NA	4.99	4.00
1993	IL	Full-Service Providers	10.28	8.00	5.45	NA	7.03	7.75

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1993	IN	Full-Service Providers	6.67	5.83	3.88	NA	9.00	5.17
1993	KS	Full-Service Providers	7.86	6.70	4.94	NA	8.91	6.60
1993	KY	Full-Service Providers	5.70	5.29	3.30	NA	4.68	4.32
1993	LA	Full-Service Providers	7.76	7.38	4.44	NA	7.11	6.26
1993	MA	Full-Service Providers	11.00	9.67	8.66	NA	12.21	9.98
1993	MD	Full-Service Providers	8.21	7.17	5.45	NA	8.28	6.96
1993	ME	Full-Service Providers	11.43	9.45	6.96	NA	13.22	9.10
1993	MI	Full-Service Providers	8.16	8.02	5.34	NA	9.15	7.14
1993	MN	Full-Service Providers	7.09	6.19	4.40	NA	7.17	5.60
1993	MO	Full-Service Providers	7.26	6.26	4.71	NA	7.10	6.33
1993	MS	Full-Service Providers	7.12	7.45	4.59	NA	8.70	6.18
1993	MT	Full-Service Providers	5.77	5.10	3.10	NA	4.51	4.36
1993	NC	Full-Service Providers	8.18	6.59	4.90	NA	7.07	6.63
1993	ND	Full-Service Providers	6.31	6.48	4.85	NA	3.99	5.83
1993	NE	Full-Service Providers	6.25	5.68	4.04	NA	6.99	5.54
1993	NH	Full-Service Providers	12.31	11.01	9.04	NA	13.30	10.85
1993	NJ	Full-Service Providers	11.41	9.73	8.09	NA	17.54	9.99
1993	NM	Full-Service Providers	9.18	8.37	4.86	NA	6.13	7.23
1993	NV	Full-Service Providers	6.51	6.51	5.04	NA	4.87	5.87
1993	NY	Full-Service Providers	13.17	11.66	6.66	NA	9.14	10.72
1993	OH	Full-Service Providers	8.36	7.59	4.25	NA	6.23	6.22
1993	OK	Full-Service Providers	7.14	6.21	4.14	NA	5.87	5.96
1993	OR	Full-Service Providers	5.02	4.93	3.33	NA	5.33	4.43
1993	PA	Full-Service Providers	9.55	8.29	6.04	NA	11.56	7.92
1993	RI	Full-Service Providers	11.38	10.17	9.03	NA	11.14	10.40
1993	SC	Full-Service Providers	7.33	6.22	4.06	NA	5.67	5.64
1993	SD	Full-Service Providers	7.04	6.75	4.60	NA	4.55	6.20
1993	TN	Full-Service Providers	5.76	6.68	4.62	NA	7.91	5.22
1993	TX	Full-Service Providers	8.00	6.94	4.32	NA	6.68	6.39
1993	UT	Full-Service Providers	6.85	5.96	3.78	NA	4.49	5.33
1993	VA	Full-Service Providers	7.57	6.14	4.19	NA	5.56	6.23
1993	VT	Full-Service Providers	9.84	9.31	7.50	NA	13.50	9.04
1993	WA	Full-Service Providers	4.60	4.50	2.40	NA	3.53	3.65
1993	WI	Full-Service Providers	7.03	5.95	3.98	NA	6.98	5.52
1993	WV	Full-Service Providers	6.30	5.78	3.96	NA	9.22	5.22
1993	WY	Full-Service Providers	5.96	5.04	3.50	NA	6.62	4.25
1993	US	Full-Service Providers	8.32	7.74	4.85	NA	6.88	6.93
1992	AK	Total Electric Industry	10.82	9.45	7.74	NA	14.21	9.95
1992	AL	Total Electric Industry	6.69	6.85	4.29	NA	5.84	5.57
1992	AR	Total Electric Industry	8.28	7.11	5.02	NA	6.77	6.71
1992	AZ	Total Electric Industry	9.58	8.64	5.76	NA	5.74	8.13
1992	CA	Total Electric Industry	11.07	10.33	7.59	NA	5.54	9.66
1992	CO	Total Electric Industry	7.20	5.77	4.59	NA	7.61	6.02
1992	CT	Total Electric Industry	11.07	9.86	8.22	NA	13.92	10.04
1992	DC	Total Electric Industry	6.61	6.91	5.68	NA	6.23	6.47
1992	DE	Total Electric Industry	8.66	7.01	4.71	NA	10.82	6.70
1992	FL	Total Electric Industry	7.75	6.58	5.02	NA	6.81	6.99
1992	GA	Total Electric Industry	7.73	7.50	4.76	NA	8.70	6.67
1992	HI	Total Electric Industry	10.90	10.53	7.83	NA	9.71	9.44
1992	IA	Total Electric Industry	8.02	6.35	4.02	NA	6.38	5.98
1992	ID	Total Electric Industry	4.93	4.30	2.72	NA	4.43	3.87
1992	IL	Total Electric Industry	10.29	8.09	5.47	NA	6.93	7.69
1992	IN	Total Electric Industry	6.86	6.00	4.00	NA	8.19	5.30
1992	KS	Total Electric Industry	7.90	6.67	4.93	NA	8.88	6.56
1992	KY	Total Electric Industry	5.70	5.29	3.16	NA	4.66	4.19
1992	LA	Total Electric Industry	7.52	7.19	4.22	NA	6.44	6.01
1992	MA	Total Electric Industry	10.62	9.31	8.60	NA	11.27	9.66
1992	MD	Total Electric Industry	7.97	7.09	5.40	NA	8.92	6.80
1992	ME	Total Electric Industry	11.37	9.27	6.90	NA	12.91	9.05
1992	MI	Total Electric Industry	8.11	8.28	5.90	NA	9.30	7.23
1992	MN	Total Electric Industry	7.01	6.13	4.33	NA	6.94	5.52
1992	MO	Total Electric Industry	7.44	6.39	4.78	NA	7.06	6.41
1992	MS	Total Electric Industry	7.01	7.27	4.41	NA	8.45	6.03
1992	MT	Total Electric Industry	5.84	5.17	2.89	NA	4.49	4.19
1992	NC	Total Electric Industry	8.11	6.63	4.93	NA	7.07	6.60
1992	ND	Total Electric Industry	6.33	6.48	4.87	NA	3.85	5.81
1992	NE	Total Electric Industry	6.27	5.64	4.06	NA	6.77	5.53
1992	NH	Total Electric Industry	11.36	10.38	8.17	NA	13.43	9.97
1992	NJ	Total Electric Industry	10.87	9.33	7.71	NA	16.74	9.51
1992	NM	Total Electric Industry	9.06	8.27	4.80	NA	5.66	7.12
1992	NV	Total Electric Industry	6.19	6.33	4.92	NA	4.82	5.69
1992	NY	Total Electric Industry	12.43	11.17	6.50	NA	8.71	10.19
1992	OH	Total Electric Industry	8.24	7.57	4.14	NA	6.22	6.06
1992	OK	Total Electric Industry	7.17	6.10	3.86	NA	5.68	5.80
1992	OR	Total Electric Industry	4.93	4.88	3.22	NA	4.98	4.31
1992	PA	Total Electric Industry	9.67	8.47	6.21	NA	11.43	8.04

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1992	RI	Total Electric Industry	11.17	10.05	9.22	NA	10.27	10.30
1992	SC	Total Electric Industry	7.19	6.17	4.03	NA	5.72	5.53
1992	SD	Total Electric Industry	7.10	6.78	4.66	NA	4.55	6.22
1992	TN	Total Electric Industry	5.70	6.50	4.60	NA	7.42	5.21
1992	TX	Total Electric Industry	7.74	6.73	4.20	NA	6.34	6.16
1992	UT	Total Electric Industry	6.97	5.97	3.68	NA	4.36	5.30
1992	VA	Total Electric Industry	7.63	6.23	4.28	NA	5.57	6.28
1992	VT	Total Electric Industry	9.56	9.24	7.30	NA	12.88	8.83
1992	WA	Total Electric Industry	4.46	4.31	2.24	NA	3.34	3.43
1992	WI	Total Electric Industry	6.91	5.91	4.00	NA	7.04	5.48
1992	WV	Total Electric Industry	6.17	5.63	3.84	NA	8.59	5.05
1992	WY	Total Electric Industry	6.08	5.17	3.52	NA	6.40	4.27
1992	US	Total Electric Industry	8.21	7.66	4.83	NA	6.74	6.82
1992	AK	Full-Service Providers	10.82	9.45	7.74	NA	14.21	9.95
1992	AL	Full-Service Providers	6.69	6.85	4.29	NA	5.84	5.57
1992	AR	Full-Service Providers	8.28	7.11	5.02	NA	6.77	6.71
1992	AZ	Full-Service Providers	9.58	8.64	5.76	NA	5.74	8.13
1992	CA	Full-Service Providers	11.07	10.33	7.59	NA	5.54	9.66
1992	CO	Full-Service Providers	7.20	5.77	4.59	NA	7.61	6.02
1992	CT	Full-Service Providers	11.07	9.86	8.22	NA	13.92	10.04
1992	DC	Full-Service Providers	6.61	6.91	5.68	NA	6.23	6.47
1992	DE	Full-Service Providers	8.66	7.01	4.71	NA	10.82	6.70
1992	FL	Full-Service Providers	7.75	6.58	5.02	NA	6.81	6.99
1992	GA	Full-Service Providers	7.73	7.50	4.76	NA	8.70	6.67
1992	HI	Full-Service Providers	10.90	10.53	7.83	NA	9.71	9.44
1992	IA	Full-Service Providers	8.02	6.35	4.02	NA	6.38	5.98
1992	ID	Full-Service Providers	4.93	4.30	2.72	NA	4.43	3.87
1992	IL	Full-Service Providers	10.29	8.09	5.47	NA	6.93	7.69
1992	IN	Full-Service Providers	6.86	6.00	4.00	NA	8.19	5.30
1992	KS	Full-Service Providers	7.90	6.67	4.93	NA	8.88	6.56
1992	KY	Full-Service Providers	5.70	5.29	3.16	NA	4.66	4.19
1992	LA	Full-Service Providers	7.52	7.19	4.22	NA	6.44	6.01
1992	MA	Full-Service Providers	10.62	9.31	8.60	NA	11.27	9.66
1992	MD	Full-Service Providers	7.97	7.09	5.40	NA	8.92	6.80
1992	ME	Full-Service Providers	11.37	9.27	6.90	NA	12.91	9.05
1992	MI	Full-Service Providers	8.11	8.28	5.90	NA	9.30	7.23
1992	MN	Full-Service Providers	7.01	6.13	4.33	NA	6.94	5.52
1992	MO	Full-Service Providers	7.44	6.39	4.78	NA	7.06	6.41
1992	MS	Full-Service Providers	7.01	7.27	4.41	NA	8.45	6.03
1992	MT	Full-Service Providers	5.84	5.17	2.89	NA	4.49	4.19
1992	NC	Full-Service Providers	8.11	6.63	4.93	NA	7.07	6.60
1992	ND	Full-Service Providers	6.33	6.48	4.87	NA	3.85	5.81
1992	NE	Full-Service Providers	6.27	5.64	4.06	NA	6.77	5.53
1992	NH	Full-Service Providers	11.36	10.38	8.17	NA	13.43	9.97
1992	NJ	Full-Service Providers	10.87	9.33	7.71	NA	16.74	9.51
1992	NM	Full-Service Providers	9.06	8.27	4.80	NA	5.66	7.12
1992	NV	Full-Service Providers	6.19	6.33	4.92	NA	4.82	5.69
1992	NY	Full-Service Providers	12.43	11.17	6.50	NA	8.71	10.19
1992	OH	Full-Service Providers	8.24	7.57	4.14	NA	6.22	6.06
1992	OK	Full-Service Providers	7.17	6.10	3.86	NA	5.68	5.80
1992	OR	Full-Service Providers	4.93	4.88	3.22	NA	4.98	4.31
1992	PA	Full-Service Providers	9.67	8.47	6.21	NA	11.43	8.04
1992	RI	Full-Service Providers	11.17	10.05	9.22	NA	10.27	10.30
1992	SC	Full-Service Providers	7.19	6.17	4.03	NA	5.72	5.53
1992	SD	Full-Service Providers	7.10	6.78	4.66	NA	4.55	6.22
1992	TN	Full-Service Providers	5.70	6.50	4.60	NA	7.42	5.21
1992	TX	Full-Service Providers	7.74	6.73	4.20	NA	6.34	6.16
1992	UT	Full-Service Providers	6.97	5.97	3.68	NA	4.36	5.30
1992	VA	Full-Service Providers	7.63	6.23	4.28	NA	5.57	6.28
1992	VT	Full-Service Providers	9.56	9.24	7.30	NA	12.88	8.83
1992	WA	Full-Service Providers	4.46	4.31	2.24	NA	3.34	3.43
1992	WI	Full-Service Providers	6.91	5.91	4.00	NA	7.04	5.48
1992	WV	Full-Service Providers	6.17	5.63	3.84	NA	8.59	5.05
1992	WY	Full-Service Providers	6.08	5.17	3.52	NA	6.40	4.27
1992	US	Full-Service Providers	8.21	7.66	4.83	NA	6.74	6.82
1991	AK	Total Electric Industry	10.67	9.27	8.22	NA	12.12	9.80
1991	AL	Total Electric Industry	6.69	6.81	4.37	NA	5.77	5.64
1991	AR	Total Electric Industry	8.10	6.95	5.05	NA	6.83	6.69
1991	AZ	Total Electric Industry	9.14	8.30	5.58	NA	6.14	7.85
1991	CA	Total Electric Industry	10.79	10.04	7.58	NA	5.05	9.42
1991	CO	Total Electric Industry	7.07	5.73	4.56	NA	7.34	5.95
1991	CT	Total Electric Industry	10.51	9.49	7.93	NA	13.42	9.60
1991	DC	Total Electric Industry	6.58	6.64	5.43	NA	6.07	6.25
1991	DE	Total Electric Industry	8.62	7.03	4.73	NA	10.99	6.70
1991	FL	Total Electric Industry	7.91	6.77	5.19	NA	6.85	7.16
1991	GA	Total Electric Industry	7.50	7.36	4.78	NA	8.54	6.56

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1991	HI	Total Electric Industry	10.52	10.33	7.71	NA	9.56	9.22
1991	IA	Total Electric Industry	7.76	6.23	4.01	NA	6.14	5.94
1991	ID	Total Electric Industry	4.88	4.24	2.62	NA	4.83	3.84
1991	IL	Total Electric Industry	9.87	7.95	5.49	NA	6.84	7.63
1991	IN	Total Electric Industry	6.73	5.94	4.04	NA	7.91	5.32
1991	KS	Total Electric Industry	7.83	6.62	4.95	NA	8.15	6.57
1991	KY	Total Electric Industry	5.68	5.34	3.39	NA	4.65	4.41
1991	LA	Total Electric Industry	7.40	7.03	4.15	NA	6.36	5.94
1991	MA	Total Electric Industry	10.40	9.22	8.52	NA	11.65	9.53
1991	MD	Total Electric Industry	7.90	7.03	5.50	NA	8.75	6.81
1991	ME	Total Electric Industry	10.45	9.06	6.70	NA	12.24	8.60
1991	MI	Total Electric Industry	8.06	8.19	5.89	NA	9.16	7.21
1991	MN	Total Electric Industry	6.92	6.07	4.26	NA	6.93	5.46
1991	MO	Total Electric Industry	7.39	6.39	4.90	NA	6.90	6.46
1991	MS	Total Electric Industry	6.88	7.18	4.49	NA	7.87	6.02
1991	MT	Total Electric Industry	5.76	5.00	2.92	NA	4.34	4.14
1991	NC	Total Electric Industry	7.95	6.48	4.82	NA	7.05	6.47
1991	ND	Total Electric Industry	6.21	6.39	4.87	NA	3.75	5.76
1991	NE	Total Electric Industry	6.09	5.61	4.15	NA	6.22	5.48
1991	NH	Total Electric Industry	10.38	9.60	7.44	NA	12.79	9.13
1991	NJ	Total Electric Industry	10.81	9.26	7.67	NA	16.32	9.46
1991	NM	Total Electric Industry	9.08	8.23	4.83	NA	5.89	7.14
1991	NV	Total Electric Industry	5.89	6.32	4.95	NA	4.88	5.60
1991	NY	Total Electric Industry	11.97	10.85	6.16	NA	7.89	9.79
1991	OH	Total Electric Industry	8.16	7.53	4.20	NA	6.08	6.11
1991	OK	Total Electric Industry	7.03	6.08	3.85	NA	5.63	5.78
1991	OR	Total Electric Industry	4.81	4.85	3.15	NA	5.30	4.25
1991	PA	Total Electric Industry	9.58	8.31	6.29	NA	11.20	8.00
1991	RI	Total Electric Industry	10.99	9.88	9.27	NA	10.13	10.17
1991	SC	Total Electric Industry	7.22	6.22	4.16	NA	5.71	5.63
1991	SD	Total Electric Industry	6.91	6.73	4.64	NA	4.35	6.13
1991	TN	Total Electric Industry	5.65	6.07	4.51	NA	6.87	5.21
1991	TX	Total Electric Industry	7.57	6.58	4.15	NA	6.20	6.06
1991	UT	Total Electric Industry	7.12	6.09	3.85	NA	4.37	5.46
1991	VA	Total Electric Industry	7.34	6.05	4.23	NA	5.35	6.09
1991	VT	Total Electric Industry	9.53	8.92	7.02	NA	13.42	8.63
1991	WA	Total Electric Industry	4.36	4.19	2.29	NA	3.21	3.37
1991	WI	Total Electric Industry	6.73	5.82	4.03	NA	6.68	5.45
1991	WV	Total Electric Industry	5.91	5.41	3.67	NA	8.60	4.84
1991	WY	Total Electric Industry	6.00	5.20	3.49	NA	6.62	4.25
1991	US	Total Electric Industry	8.04	7.53	4.83	NA	6.51	6.75
1991	AK	Full-Service Providers	10.67	9.27	8.22	NA	12.12	9.80
1991	AL	Full-Service Providers	6.69	6.81	4.37	NA	5.77	5.64
1991	AR	Full-Service Providers	8.10	6.95	5.05	NA	6.83	6.69
1991	AZ	Full-Service Providers	9.14	8.30	5.58	NA	6.14	7.85
1991	CA	Full-Service Providers	10.79	10.04	7.58	NA	5.05	9.42
1991	CO	Full-Service Providers	7.07	5.73	4.56	NA	7.34	5.95
1991	CT	Full-Service Providers	10.51	9.49	7.93	NA	13.42	9.60
1991	DC	Full-Service Providers	6.58	6.64	5.43	NA	6.07	6.25
1991	DE	Full-Service Providers	8.62	7.03	4.73	NA	10.99	6.70
1991	FL	Full-Service Providers	7.91	6.77	5.19	NA	6.85	7.16
1991	GA	Full-Service Providers	7.50	7.36	4.78	NA	8.54	6.56
1991	HI	Full-Service Providers	10.52	10.33	7.71	NA	9.56	9.22
1991	IA	Full-Service Providers	7.76	6.23	4.01	NA	6.14	5.94
1991	ID	Full-Service Providers	4.88	4.24	2.62	NA	4.83	3.84
1991	IL	Full-Service Providers	9.87	7.95	5.49	NA	6.84	7.63
1991	IN	Full-Service Providers	6.73	5.94	4.04	NA	7.91	5.32
1991	KS	Full-Service Providers	7.83	6.62	4.95	NA	8.15	6.57
1991	KY	Full-Service Providers	5.68	5.34	3.39	NA	4.65	4.41
1991	LA	Full-Service Providers	7.40	7.03	4.15	NA	6.36	5.94
1991	MA	Full-Service Providers	10.40	9.22	8.52	NA	11.65	9.53
1991	MD	Full-Service Providers	7.90	7.03	5.50	NA	8.75	6.81
1991	ME	Full-Service Providers	10.45	9.06	6.70	NA	12.24	8.60
1991	MI	Full-Service Providers	8.06	8.19	5.89	NA	9.16	7.21
1991	MN	Full-Service Providers	6.92	6.07	4.26	NA	6.93	5.46
1991	MO	Full-Service Providers	7.39	6.39	4.90	NA	6.90	6.46
1991	MS	Full-Service Providers	6.88	7.18	4.49	NA	7.87	6.02
1991	MT	Full-Service Providers	5.76	5.00	2.92	NA	4.34	4.14
1991	NC	Full-Service Providers	7.95	6.48	4.82	NA	7.05	6.47
1991	ND	Full-Service Providers	6.21	6.39	4.87	NA	3.75	5.76
1991	NE	Full-Service Providers	6.09	5.61	4.15	NA	6.22	5.48
1991	NH	Full-Service Providers	10.38	9.60	7.44	NA	12.79	9.13
1991	NJ	Full-Service Providers	10.81	9.26	7.67	NA	16.32	9.46
1991	NM	Full-Service Providers	9.08	8.23	4.83	NA	5.89	7.14
1991	NV	Full-Service Providers	5.89	6.32	4.95	NA	4.88	5.60
1991	NY	Full-Service Providers	11.97	10.85	6.16	NA	7.89	9.79

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1991	OH	Full-Service Providers	8.16	7.53	4.20	NA	6.08	6.11
1991	OK	Full-Service Providers	7.03	6.08	3.85	NA	5.63	5.78
1991	OR	Full-Service Providers	4.81	4.85	3.15	NA	5.30	4.25
1991	PA	Full-Service Providers	9.58	8.31	6.29	NA	11.20	8.00
1991	RI	Full-Service Providers	10.99	9.88	9.27	NA	10.13	10.17
1991	SC	Full-Service Providers	7.22	6.22	4.16	NA	5.71	5.63
1991	SD	Full-Service Providers	6.91	6.73	4.64	NA	4.35	6.13
1991	TN	Full-Service Providers	5.65	6.07	4.51	NA	6.87	5.21
1991	TX	Full-Service Providers	7.57	6.58	4.15	NA	6.20	6.06
1991	UT	Full-Service Providers	7.12	6.09	3.85	NA	4.37	5.46
1991	VA	Full-Service Providers	7.34	6.05	4.23	NA	5.35	6.09
1991	VT	Full-Service Providers	9.53	8.92	7.02	NA	13.42	8.63
1991	WA	Full-Service Providers	4.36	4.19	2.29	NA	3.21	3.37
1991	WI	Full-Service Providers	6.73	5.82	4.03	NA	6.68	5.45
1991	WV	Full-Service Providers	5.91	5.41	3.67	NA	8.60	4.84
1991	WY	Full-Service Providers	6.00	5.20	3.49	NA	6.62	4.25
1991	US	Full-Service Providers	8.04	7.53	4.83	NA	6.51	6.75
1990	AK	Total Electric Industry	10.11	9.01	7.91	NA	13.22	9.48
1990	AL	Total Electric Industry	6.59	6.72	4.34	NA	5.61	5.57
1990	AR	Total Electric Industry	8.07	6.95	5.10	NA	7.08	6.70
1990	AZ	Total Electric Industry	9.04	8.29	5.58	NA	5.41	7.75
1990	CA	Total Electric Industry	9.98	9.46	7.28	NA	4.53	8.84
1990	CO	Total Electric Industry	7.02	5.67	4.49	NA	7.28	5.89
1990	CT	Total Electric Industry	10.01	9.11	7.55	NA	12.83	9.16
1990	DC	Total Electric Industry	6.10	6.35	5.16	NA	5.78	5.94
1990	DE	Total Electric Industry	8.39	6.91	4.51	NA	10.33	6.46
1990	FL	Total Electric Industry	7.77	6.66	5.08	NA	6.83	7.04
1990	GA	Total Electric Industry	7.46	7.33	4.83	NA	8.11	6.56
1990	HI	Total Electric Industry	10.26	10.18	7.57	NA	9.40	9.02
1990	IA	Total Electric Industry	7.81	6.27	3.98	NA	6.04	5.93
1990	ID	Total Electric Industry	4.87	4.25	2.62	NA	4.65	3.80
1990	IL	Total Electric Industry	9.92	7.77	5.40	NA	6.70	7.49
1990	IN	Total Electric Industry	6.87	6.05	4.07	NA	8.08	5.36
1990	KS	Total Electric Industry	7.83	6.64	4.94	NA	8.17	6.57
1990	KY	Total Electric Industry	5.69	5.37	3.58	NA	4.69	4.48
1990	LA	Total Electric Industry	7.41	7.05	4.19	NA	6.88	6.00
1990	MA	Total Electric Industry	9.66	8.56	7.89	NA	10.90	8.85
1990	MD	Total Electric Industry	7.22	6.71	5.10	NA	8.31	6.30
1990	ME	Total Electric Industry	9.30	8.03	5.96	NA	10.85	7.65
1990	MI	Total Electric Industry	7.83	8.14	5.85	NA	9.98	7.10
1990	MN	Total Electric Industry	6.80	5.98	4.14	NA	6.72	5.33
1990	MO	Total Electric Industry	7.36	6.46	4.95	NA	6.81	6.46
1990	MS	Total Electric Industry	6.89	7.21	4.65	NA	8.03	6.11
1990	MT	Total Electric Industry	5.45	4.68	2.87	NA	4.26	3.96
1990	NC	Total Electric Industry	7.84	6.42	4.77	NA	7.00	6.38
1990	ND	Total Electric Industry	6.26	6.45	4.79	NA	3.66	5.75
1990	NE	Total Electric Industry	6.23	5.73	4.19	NA	6.39	5.57
1990	NH	Total Electric Industry	10.34	9.50	7.47	NA	12.74	9.09
1990	NJ	Total Electric Industry	10.36	8.94	7.36	NA	15.96	9.08
1990	NM	Total Electric Industry	8.94	8.14	4.98	NA	5.78	7.10
1990	NV	Total Electric Industry	5.70	6.19	4.70	NA	4.49	5.38
1990	NY	Total Electric Industry	11.44	10.47	5.78	NA	7.96	9.37
1990	OH	Total Electric Industry	8.05	7.43	4.03	NA	6.14	5.89
1990	OK	Total Electric Industry	6.58	5.74	3.63	NA	5.33	5.48
1990	OR	Total Electric Industry	4.73	4.79	3.16	NA	4.77	4.18
1990	PA	Total Electric Industry	9.22	8.09	5.97	NA	10.80	7.65
1990	RI	Total Electric Industry	9.84	8.93	8.35	NA	9.06	9.15
1990	SC	Total Electric Industry	7.15	6.15	4.18	NA	5.53	5.59
1990	SD	Total Electric Industry	6.95	6.68	4.66	NA	4.11	6.13
1990	TN	Total Electric Industry	5.69	6.09	4.69	NA	6.86	5.31
1990	TX	Total Electric Industry	7.20	6.17	4.03	NA	6.25	5.78
1990	UT	Total Electric Industry	7.13	6.26	3.80	NA	4.16	5.46
1990	VA	Total Electric Industry	7.25	6.06	4.27	NA	5.31	6.03
1990	VT	Total Electric Industry	9.27	8.50	6.62	NA	12.13	8.28
1990	WA	Total Electric Industry	4.39	4.15	2.39	NA	3.13	3.40
1990	WI	Total Electric Industry	6.63	5.78	3.99	NA	6.47	5.37
1990	WV	Total Electric Industry	5.90	5.36	3.56	NA	8.19	4.73
1990	WY	Total Electric Industry	5.97	5.17	3.47	NA	7.90	4.21
1990	US	Total Electric Industry	7.83	7.34	4.74	NA	6.40	6.57
1990	AK	Full-Service Providers	10.11	9.01	7.91	NA	13.22	9.48
1990	AL	Full-Service Providers	6.59	6.72	4.34	NA	5.61	5.57
1990	AR	Full-Service Providers	8.07	6.95	5.10	NA	7.08	6.70
1990	AZ	Full-Service Providers	9.04	8.29	5.58	NA	5.41	7.75
1990	CA	Full-Service Providers	9.98	9.46	7.28	NA	4.53	8.84
1990	CO	Full-Service Providers	7.02	5.67	4.49	NA	7.28	5.89
1990	CT	Full-Service Providers	10.01	9.11	7.55	NA	12.83	9.16

Average Price (Cents/kilowatthour) by State by Provider, 1990-2020

Year	State	Industry Sector Category	Residential	Commercial	Industrial	Transportation	Other	Total
1990	DC	Full-Service Providers	6.10	6.35	5.16	NA	5.78	5.94
1990	DE	Full-Service Providers	8.39	6.91	4.51	NA	10.33	6.46
1990	FL	Full-Service Providers	7.77	6.66	5.08	NA	6.83	7.04
1990	GA	Full-Service Providers	7.46	7.33	4.83	NA	8.11	6.56
1990	HI	Full-Service Providers	10.26	10.18	7.57	NA	9.40	9.02
1990	IA	Full-Service Providers	7.81	6.27	3.98	NA	6.04	5.93
1990	ID	Full-Service Providers	4.87	4.25	2.62	NA	4.65	3.80
1990	IL	Full-Service Providers	9.92	7.77	5.40	NA	6.70	7.49
1990	IN	Full-Service Providers	6.87	6.05	4.07	NA	8.08	5.36
1990	KS	Full-Service Providers	7.83	6.64	4.94	NA	8.17	6.57
1990	KY	Full-Service Providers	5.69	5.37	3.58	NA	4.69	4.48
1990	LA	Full-Service Providers	7.41	7.05	4.19	NA	6.88	6.00
1990	MA	Full-Service Providers	9.66	8.56	7.89	NA	10.90	8.85
1990	MD	Full-Service Providers	7.22	6.71	5.10	NA	8.31	6.30
1990	ME	Full-Service Providers	9.30	8.03	5.96	NA	10.85	7.65
1990	MI	Full-Service Providers	7.83	8.14	5.85	NA	9.98	7.10
1990	MN	Full-Service Providers	6.80	5.98	4.14	NA	6.72	5.33
1990	MO	Full-Service Providers	7.36	6.46	4.95	NA	6.81	6.46
1990	MS	Full-Service Providers	6.89	7.21	4.65	NA	8.03	6.11
1990	MT	Full-Service Providers	5.45	4.68	2.87	NA	4.26	3.96
1990	NC	Full-Service Providers	7.84	6.42	4.77	NA	7.00	6.38
1990	ND	Full-Service Providers	6.26	6.45	4.79	NA	3.66	5.75
1990	NE	Full-Service Providers	6.23	5.73	4.19	NA	6.39	5.57
1990	NH	Full-Service Providers	10.34	9.50	7.47	NA	12.74	9.09
1990	NJ	Full-Service Providers	10.36	8.94	7.36	NA	15.96	9.08
1990	NM	Full-Service Providers	8.94	8.14	4.98	NA	5.78	7.10
1990	NV	Full-Service Providers	5.70	6.19	4.70	NA	4.49	5.38
1990	NY	Full-Service Providers	11.44	10.47	5.78	NA	7.96	9.37
1990	OH	Full-Service Providers	8.05	7.43	4.03	NA	6.14	5.89
1990	OK	Full-Service Providers	6.58	5.74	3.63	NA	5.33	5.48
1990	OR	Full-Service Providers	4.73	4.79	3.16	NA	4.77	4.18
1990	PA	Full-Service Providers	9.22	8.09	5.97	NA	10.80	7.65
1990	RI	Full-Service Providers	9.84	8.93	8.35	NA	9.06	9.15
1990	SC	Full-Service Providers	7.15	6.15	4.18	NA	5.53	5.59
1990	SD	Full-Service Providers	6.95	6.68	4.66	NA	4.11	6.13
1990	TN	Full-Service Providers	5.69	6.09	4.69	NA	6.86	5.31
1990	TX	Full-Service Providers	7.20	6.17	4.03	NA	6.25	5.78
1990	UT	Full-Service Providers	7.13	6.26	3.80	NA	4.16	5.46
1990	VA	Full-Service Providers	7.25	6.06	4.27	NA	5.31	6.03
1990	VT	Full-Service Providers	9.27	8.50	6.62	NA	12.13	8.28
1990	WA	Full-Service Providers	4.39	4.15	2.39	NA	3.13	3.40
1990	WI	Full-Service Providers	6.63	5.78	3.99	NA	6.47	5.37
1990	WV	Full-Service Providers	5.90	5.36	3.56	NA	8.19	4.73
1990	WY	Full-Service Providers	5.97	5.17	3.47	NA	7.90	4.21
1990	US	Full-Service Providers	7.83	7.34	4.74	NA	6.40	6.57

Costs obtained from CEMS Cost Model (Rev. March 2007) for associated # of analyzers and flow monitor:

Assumptions

1

flow monitor per stack monitored

if total stacks monitored is < 10

Then, each FTIR analyzer is used to monitor at most 2 stacks

if total stacks monitored is >= 10

Then, each FTIR analyzer is used to monitor at most 3 stacks

Summary Statistics

of facilities installing a CEMS: 0

Total # of FTIR Analyzers (all facilities): 0

Avg. # of FTIR Analyzers per facility: 0

Total # of Flow Meters Analyzers (all facilities): 0

Avg. # of Flow Meters per facility: 0

Option selected

\$

#DIV/OI

\$

#DIV/OI

\$

#DIV/OI

\$

#DIV/OI

	TCI	Capital Recovery	Annual Cost	TAC
Total Costs for All Facilities Installing CEMS				
Opt 1	\$ 41,658,125	\$ 5,932,102	\$ 10,592,152	\$ 16,524,267
Opt 2a	\$ 32,545,537	\$ 4,634,476	\$ 8,374,998	\$ 13,009,482
Opt 2b	\$ 32,545,537	\$ 4,634,476	\$ 8,374,998	\$ 13,009,482
Opt 3	\$ 24,716,503	\$ 5,519,622	\$ 6,431,162	\$ 9,950,792
Average Cost Per Facility				
Opt 1	\$ 495,930	\$ 70,620	\$ 126,097	\$ 196,717
Opt 2a	\$ 561,130	\$ 79,905	\$ 144,397	\$ 224,301
Opt 2b	\$ 561,130	\$ 79,905	\$ 144,397	\$ 224,301
Opt 3	\$ 588,488	\$ 83,801	\$ 153,123	\$ 236,924

# of FTIR Analyzers per Facility	# of Flow Monitors per Facility	Key	TCI	Capital Recovery	Annual Cost	TAC
0	0-0	0	\$0	\$0	\$0	\$0
1	1-1	1	\$ 256,092	\$37,736	\$ 58,504	\$ 94,972
1	1-2	2	\$ 283,026	\$41,705	\$ 70,456	\$ 110,758
1	1-3	3	\$ 309,960	\$45,674	\$ 82,407	\$ 126,545
2	2-3	3	\$ 408,236	\$60,155	\$ 97,124	\$ 155,257
2	2-4	4	\$ 435,171	\$64,124	\$ 109,075	\$ 171,044
2	2-5	5	\$ 462,105	\$68,093	\$ 121,027	\$ 186,831
2	2-6	6	\$ 489,039	\$72,062	\$ 132,978	\$ 202,617
3	3-5	5	\$ 556,671	\$82,027	\$ 135,744	\$ 215,014
3	3-6	6	\$ 583,605	\$85,996	\$ 147,695	\$ 230,800
3	3-7	7	\$ 610,539	\$89,965	\$ 159,647	\$ 246,587
3	3-8	8	\$ 637,474	\$93,934	\$ 171,598	\$ 262,374
3	3-9	9	\$ 664,408	\$97,903	\$ 183,549	\$ 278,161
4	4-7	7	\$ 705,105	\$103,900	\$ 174,363	\$ 274,770
4	4-8	8	\$ 732,040	\$107,869	\$ 186,315	\$ 290,557
4	4-9	9	\$ 758,974	\$111,837	\$ 198,266	\$ 306,344
4	4-10	10	\$ 785,908	\$115,806	\$ 210,218	\$ 322,131
4	4-11	11	\$ 812,842	\$119,775	\$ 222,169	\$ 337,918
4	4-12	12	\$ 839,777	\$123,744	\$ 234,121	\$ 353,705
5	5-8	8	\$ 826,605	\$121,803	\$ 201,032	\$ 318,740
5	5-9	9	\$ 853,540	\$125,772	\$ 212,983	\$ 334,527
5	5-10	10	\$ 880,474	\$129,741	\$ 224,935	\$ 350,314
5	5-11	11	\$ 907,408	\$133,710	\$ 236,886	\$ 366,101
5	5-12	12	\$ 934,342	\$137,678	\$ 248,838	\$ 381,888
5	5-13	13	\$ 961,277	\$141,647	\$ 260,789	\$ 397,675
5	5-14	14	\$ 988,211	\$145,616	\$ 272,740	\$ 413,462
5	5-15	15	\$ 1,015,145	\$149,585	\$ 284,692	\$ 429,249
6	6-6	6	\$ 867,303	\$127,800	\$ 191,846	\$ 315,349
6	6-7	7	\$ 894,237	\$131,769	\$ 203,797	\$ 331,136
6	6-8	8	\$ 921,171	\$135,738	\$ 215,748	\$ 346,923
6	6-9	9	\$ 948,106	\$139,707	\$ 227,700	\$ 362,710
6	6-10	10	\$ 975,040	\$143,675	\$ 239,651	\$ 378,497
6	6-11	11	\$ 1,001,974	\$147,644	\$ 251,603	\$ 394,284
6	6-12	12	\$ 1,028,908	\$151,613	\$ 263,554	\$ 410,071
6	6-13	13	\$ 1,055,843	\$155,582	\$ 275,506	\$ 425,858
6	6-14	14	\$ 1,082,777	\$159,551	\$ 287,457	\$ 441,645
6	6-15	15	\$ 1,109,711	\$163,520	\$ 299,409	\$ 457,432
6	6-16	16	\$ 1,136,645	\$167,489	\$ 311,360	\$ 473,219
6	6-17	17	\$ 1,163,579	\$171,458	\$ 323,312	\$ 489,006
6	6-18	18	\$ 1,190,513	\$175,427	\$ 335,263	\$ 504,793
7	7-13	13	\$ 1,150,409	\$169,517	\$ 290,233	\$ 434,041
7	7-14	14	\$ 1,175,800	\$173,258	\$ 292,605	\$ 460,039
7	7-15	15	\$ 1,201,192	\$177,000	\$ 294,987	\$ 486,036
7	7-16	16	\$ 1,226,583	\$180,741	\$ 297,369	\$ 472,034
7	7-17	17	\$ 1,251,975	\$184,483	\$ 299,751	\$ 478,032
7	7-18	18	\$ 1,277,366	\$188,224	\$ 302,132	\$ 484,029
7	7-19	19	\$ 1,302,758	\$191,966	\$ 304,514	\$ 490,027
7	7-20	20	\$ 1,328,149	\$195,707	\$ 306,896	\$ 496,025
7	7-21	21	\$ 1,353,541	\$199,449	\$ 309,278	\$ 502,023
8	8-15	15	\$ 1,295,757	\$190,934	\$ 309,703	\$ 494,219
8	8-16	16	\$ 1,321,149	\$194,676	\$ 312,085	\$ 500,217
8	8-17	17	\$ 1,346,540	\$198,417	\$ 314,467	\$ 506,215
8	8-18	18	\$ 1,371,932	\$202,159	\$ 316,849	\$ 512,212
8	8-19	19	\$ 1,397,324	\$205,900	\$ 319,231	\$ 518,210
8	8-20	20	\$ 1,422,715	\$209,642	\$ 321,613	\$ 524,208
8	8-21	21	\$ 1,448,107	\$213,383	\$ 323,995	\$ 530,206
8	8-22	22	\$ 1,473,498	\$217,125	\$ 326,377	\$ 536,203
8	8-23	23	\$ 1,498,890	\$220,866	\$ 328,759	\$ 542,201
8	8-24	24	\$ 1,524,281	\$224,608	\$ 331,141	\$ 548,199
9	9-17	17	\$ 1,441,106	\$212,152	\$ 329,184	\$ 534,398
9	9-18	18	\$ 1,466,498	\$216,090	\$ 331,566	\$ 540,395
9	9-19	19	\$ 1,491,889	\$219,835	\$ 333,948	\$ 546,393
9	9-20	20	\$ 1,517,281	\$223,576	\$ 336,330	\$ 552,391
9	9-21	21	\$ 1,542,672	\$227,318	\$ 338,712	\$ 558,389
9	9-22	22	\$ 1,568,064	\$231,059	\$ 341,094	\$ 564,386
9	9-23	23	\$ 1,593,455	\$234,800	\$ 343,476	\$ 570,384
9	9-24	24	\$ 1,618,847	\$238,543	\$ 345,858	\$ 576,382
9	9-25	25	\$ 1,644,239	\$242,284	\$ 348,240	\$ 582,379
9	9-26	26	\$ 1,669,630	\$246,026	\$ 350,622	\$ 588,377
9	9-27	27	\$ 1,695,022	\$249,767	\$ 353,004	\$ 594,375
10	10-19	19	\$ 1,586,455	\$233,770	\$ 348,665	\$ 574,576
10	10-20	20	\$ 1,622,646	\$239,102	\$ 348,033	\$ 649,098
10	10-21	21	\$ 1,649,580	\$243,071	\$ 349,985	\$ 664,885
10	10-22	22	\$ 1,676,515	\$247,040	\$ 341,936	\$ 680,672
10	10-23	23	\$ 1,703,449	\$251,009	\$ 353,888	\$ 696,459
10	10-24	24	\$ 1,730,383	\$254,978	\$ 345,839	\$ 712,246
10	10-25	25	\$ 1,757,317	\$258,947	\$ 347,791	\$ 728,033
10	10-26	26	\$ 1,784,252	\$262,915	\$ 349,742	\$ 743,820
10	10-27	27	\$ 1,811,186	\$266,884	\$ 351,694	\$ 759,607
10	10-28	28	\$ 1,838,120	\$270,853	\$ 353,645	\$ 775,393
10	10-29	29	\$ 1,865,054	\$274,822	\$ 355,597	\$ 791,180
10	10-30	30	\$ 1,891,989	\$278,791	\$ 357,548	\$ 806,967
16	16-48	48	\$ 2,944,201	\$433,838	\$ 840,975	\$ 1,260,230

Note: Table discounti

Key	# of Facilities Where Associated Key is Lowest Cost Compliance Methodology	# of FTIR Analyzers per Key	# of Flow Meters per Key
0-0	0	0	0
1-1	0	0	0
1-2	0	0	0
1-3	0	0	0
2-3	0	0	0
2-4	0	0	0
2-5	0	0	0
2-6	0	0	0
3-5	0	0	0
3-6	0	0	0
3-7	0	0	0
3-8	0	0	0
3-9	0	0	0
4-7	0	0	0
4-8	0	0	0
4-9	0	0	0
4-10	0	0	0
4-11	0	0	0
4-12	0	0	0
5-8	0	0	0
5-9	0	0	0
5-10	0	0	0
5-11	0	0	0
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5-13	0	0	0
5-14	0	0	0
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6-8	0	0	0
6-9	0	0	0
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6-11	0	0	0
6-12	0	0	0
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10-26	0	0	0
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10-29	0	0	0
10-30	0	0	0
16-48	0	0	0

ID	FacilityID	Filepath	Filename	Description	ImportDate	StatusID	Supplemental
1	2707711				11/27/2021 20:33	200	FALSE
2	8142611				11/27/2021 20:38	200	FALSE
4	6560811				11/27/2021 20:45	200	FALSE
5	8142611				11/27/2021 20:50	200	TRUE
6	7945211				11/27/2021 20:55	200	FALSE
10	17622611				11/27/2021 21:14	200	FALSE
11	7518611				11/27/2021 21:17	200	FALSE
12	6982311				11/27/2021 21:22	200	FALSE
13	6982311				11/27/2021 21:26	200	TRUE
14	7647011				11/27/2021 21:28	200	FALSE
15	18934511				11/27/2021 21:35	200	FALSE
16	6721211				11/27/2021 21:38	200	FALSE
17	6721211				11/27/2021 21:45	200	TRUE
19	US				11/27/2021 21:54	200	FALSE
21	US				11/27/2021 22:01	200	TRUE
22	MPROCIVILLALBA				11/27/2021 22:04	200	FALSE
23	8409411				11/27/2021 22:11	200	FALSE
24	14657611				11/27/2021 22:21	200	FALSE
25	14657611				11/27/2021 22:25	200	TRUE
26	3765611				11/28/2021 20:16	200	FALSE
27	17953511				11/28/2021 20:31	200	FALSE
28	17953511				11/28/2021 20:44	200	TRUE
29	5997411				11/28/2021 20:50	200	FALSE
30	5997411				11/28/2021 20:59	200	TRUE
32	18809411				11/28/2021 21:13	200	FALSE
33	17953911				11/28/2021 21:27	200	FALSE
34	2686511				11/28/2021 21:50	200	FALSE
35	14638611				11/28/2021 22:12	200	FALSE
37	12775411				11/29/2021 15:30	200	FALSE
38	6640211				11/29/2021 15:47	200	FALSE
39	6640211				11/29/2021 15:58	200	TRUE
42	2534011				11/29/2021 16:43	200	FALSE
43	2534011				11/29/2021 17:02	200	TRUE
44	4359211				11/29/2021 17:15	200	FALSE
45	7746311				11/29/2021 17:40	200	FALSE
46	3699811				11/29/2021 17:55	200	FALSE
48	6449011				11/29/2021 18:48	200	FALSE
49	6449011				11/29/2021 19:44	200	TRUE
50	8140511				11/29/2021 19:54	200	FALSE
51	DYNATEC				11/29/2021 20:21	200	FALSE
52	4553311				11/29/2021 21:17	200	FALSE
53	4553311				11/29/2021 21:41	200	TRUE
55	6888911				11/30/2021 16:59	200	FALSE
57	6888911				11/30/2021 17:28	200	TRUE
58	3049411				11/30/2021 17:40	200	FALSE
59	3049411				11/30/2021 18:06	200	TRUE
60	3049411				11/30/2021 18:15	200	FALSE
62	3049411				11/30/2021 19:20	200	TRUE
63	9061511				11/30/2021 19:33	200	FALSE
64	9061511				11/30/2021 19:52	200	TRUE
65	9061511				11/30/2021 19:55	200	FALSE
66	9132811				11/30/2021 20:15	200	FALSE
67	7582111				11/30/2021 20:40	200	FALSE
71	3082511				11/30/2021 21:38	200	FALSE
73	3082511				11/30/2021 22:02	200	TRUE
76	1073211				11/30/2021 22:44	200	FALSE
77	1073211				12/1/2021 13:51	200	TRUE
78	16431311				12/1/2021 14:02	200	FALSE
79	7703311				12/1/2021 14:49	200	FALSE
80	7703311				12/1/2021 15:30	200	TRUE
81	7703311				12/1/2021 15:38	200	FALSE
82	7697511				12/1/2021 17:24	200	FALSE
83	7307111				12/1/2021 18:28	200	FALSE
85	3832911				12/1/2021 20:24	200	FALSE
86	2352911				12/1/2021 20:45	200	FALSE
87	1013511				12/1/2021 21:36	200	FALSE
88	7125311				12/1/2021 22:12	200	FALSE
89	7125311				12/1/2021 22:56	200	TRUE
90	626211				12/1/2021 23:21	200	FALSE
91	EISSTERIGENICSLA				12/2/2021 12:57	200	FALSE
92	7172111				12/2/2021 13:16	200	FALSE
94	7172111				12/2/2021 15:31	200	TRUE
95	STERITEC				12/2/2021 15:59	200	FALSE
96	MPROCJUNCOS				12/2/2021 16:31	200	FALSE
97	EISMEDTRONICFRIDLEY				12/2/2021 17:57	200	FALSE
98	9522411				12/2/2021 18:41	200	FALSE
99	5148911				12/2/2021 19:24	200	FALSE
101	STRYKER				12/2/2021 22:01	200	FALSE
104	STRYKER				12/2/2021 22:48	200	TRUE
105	EISGENENTECH				12/2/2021 23:01	200	FALSE
106	18704311				12/3/2021 11:24	200	FALSE
107	OSCOR				12/3/2021 11:32	200	FALSE
110	9490411				12/3/2021 11:49	200	FALSE
111	WESTERN				12/3/2021 11:59	200	FALSE
112	18874311				12/3/2021 12:11	200	FALSE
113	MICROVENTION				12/3/2021 12:35	200	FALSE
115	186811				12/3/2021 12:58	200	FALSE
116	JAXCA				12/3/2021 13:16	200	FALSE
117	EISSTERISTEMECULA				12/3/2021 13:26	200	FALSE
119	EISSTERISTEMECULA				12/3/2021 13:32	200	TRUE
120	EISSTERIGENICSONTARIO				12/3/2021 13:35	200	FALSE
121	EISSTERIGENICSLA				12/3/2021 13:56	200	FALSE
122	6755311				12/3/2021 14:20	200	FALSE
123	ALCON				12/7/2021 16:52	200	FALSE
124	ALCON				12/7/2021 17:03	200	TRUE
127	LNHCONCERT				12/7/2021 17:36	200	FALSE
128	7842111				12/7/2021 18:04	200	FALSE
129	17953611				12/9/2021 15:56	200	FALSE
130	2845011				12/9/2021 16:01	200	FALSE
131	4315911				12/9/2021 16:09	200	FALSE
132	17953911				12/20/2021 18:08	200	TRUE
133	6572011				12/22/2021 13:11	200	FALSE
134	15515811				1/12/2022 16:04	200	FALSE
135	PARTER				1/27/2022 22:18	200	FALSE
136	626211				1/31/2022 16:05	200	FALSE
138	LNHCONCERT				2/24/2022 21:58	200	FALSE
139	LNHBAYSIDE				2/24/2022 22:14	200	FALSE
141	2707711				2/24/2022 22:44	200	FALSE
142	MPROCIVILLALBA				2/24/2022 23:05	200	FALSE
145	4359211				2/28/2022 20:52	200	FALSE
146	MPROCJUNCOS				2/28/2022 21:14	200	FALSE
147	EISMEDTRONICFRIDLEY				2/28/2022 21:35	200	FALSE
148	9522411				2/28/2022 21:59	200	FALSE
149	STERITEC				2/28/2022 22:18	200	FALSE
151	CUSTOMED				3/2/2022 16:14	200	FALSE

